#### **Standard Thru-beam Mode (DC)**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		Emitter	RP74-T061MD-EY9C3L2
	a.	10-40V DC	NPN/PNP	RP74-T061MD-CY9C4U2
E	Quick Disconnect (Euro Style)	10-404 DC	NPN/PNP with Timing	RP74-T061MD-CY9C4U2-T
pe : 880n			NPN/PNP with Timing (New)	RP74-T061MD-CY9C4U2-T/N
Infrare	Quick Disconnect (Euro Style)		Emitter	RP74-T061MD-EY9Q4LE
		10-40V DC	NPN/PNP	RP74-T061MD-CY9Q4UE
		10-40V DC	NPN/PNP with Timing	RP74-T061MD-CY9Q4UE-T
61m	61m		NPN/PNP with Timing (New)	RP74-T061MD-CY9Q4UE-T/N
	Quick Disconnect (Mini Style)		Emitter	RP74-T061MD-EY9Q4LN
9	Standard Thru-beam Mode Sensing Distance: 61m  9"Pig tail (Euro Style)		NPN/PNP	RP74-T061MD-CY9Q4UN
			NPN/PNP with Timing	RP74-T061MD-CY9Q4UN-T
Thru-be			NPN/PNP with Timing (New)	RP74-T061MD-CY9Q4UN-T/N
tandard ensing l	6" Pig tail (Euro Style)		Emitter	RP74-T061MD-EY9P4LE
σσ		10-40V DC	NPN/PNP	RP74-T061MD-CY9P4UE
		10-40V DC	NPN/PNP with Timing	RP74-T061MD-CY9P4UE-T
			NPN/PNP with Timing (New)	RP74-T061MD-CY9P4UE-T/N

ote:
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-01—

#### **Standard Thru-beam Mode (AC/DC)**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		Emitter (2-wire)	RP74-T061MA-EY9C2L2
			SPDT Relay (5-wire)	RP74-T061MR-CY9C5L2
			SPDT Relay (5-wire)	RP74-T061MR-CY9C5L2-T
		12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-T061MR-CY9C5L2-T/N
	Quick Disconnect (Micro Style)	24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-T061MS-CY9C4L2
_			Solid State Isolated N.O. (4-wire) with Timing	RP74-T061MS-CY9C4L2-T
80nn			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T061MS-CY9C4L2-T/N
88			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T061MC-CY9C2U2
rare	Quick Disconnect (Micro Style)		Emitter (2-wire)	RP74-T061MA-EY9Q4LM
Inf			Solid State Isolated N.O. (4-wire)	RP74-T061MS-CY9Q4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-T061MS-CY9Q4LM-T
		12-240V DC/	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T061MS-CY9Q4LM-T/N
		24-240V AC	SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T061MC-CY9Q4UM
<b>€</b> 1m				
			Emitter (2-wire)	RP74-T061MA-EY9Q4LN
			SPDT Relay (5-wire)	RP74-T061MR-CY9Q5LN
			SPDT Relay with Timing (5-wire)	RP74-T061MR-CY9Q5LN-T
<u>ө</u>			SPDT Relay with Timing (New) (5-wire)	RP74-T061MR-CY9Q5LN-T/N
Mode			Solid State Isolated N.O. (4-wire)	RP74-T061MS-CY9Q4LN
l Thru-beam Distance: 61			Solid State Isolated N.O. (4-wire) with Timing	RP74-T061MS-CY9Q4LN-T
u-be			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T061MS-CY9Q4LN-T/N
Standard Thru-beam Sensing Distance: 61			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T061MC-CY9Q4UN
lard ing l	6"Pig tail (Micro Style)		Emitter (2-wire)	RP74-T061MA-EY9P4LM
Standarc			SPDT Relay (5-wire)	RP74-T061MR-CY9P5LM
Ġ Ō	E. I		SPDT Relay with Timing (5-wire)	RP74-T061MR-CY9P5LM-T
		12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-T061MR-CY9P5LM-T/N
		24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-T061MS-CY9P4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-T061MS-CY9P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T061MS-CY9P4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T061MC-CY9P4UM
Note:	I	I	•	

Note:
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-02—

#### **Long Range Thru-beam Mode (DC)**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
2m Cable	2m Cable		Emitter	RP74-T152MD-EY9C3L2
	P.O.	10-40V DC	NPN/PNP	RP74-T152MD-CY9C4U2
	10-404 20	NPN/PNP with Timing	RP74-T152MD-CY9C4U2-T	
Infrared : 880nm	rared:8		NPN/PNP with Timing (New)	<del>RP74-T152MD-CY9C4U2-T/N</del>
Ē	Quiok Dissonition (Euro G.yle)		Emitter	RP74-T152MD-EY9Q4LE
		10-40V DC	NPN/PNP	RP74-T152MD-CY9Q4UE
E		NPN/PNP with Timing	RP74-T152MD-CY9Q4UE-T	
152 m			NPN/PNP with Timing (New)	RP74-T152MD-CY9Q4UE-T/N
	Cong Range Thru-beam Mode Sensing Distance: 152m  6. big tail (Enco Style)	10-40V DC	Emitter	RP74-T152MD-EY9Q4LN
e B			NPN/PNP	RP74-T152MD-CY9Q4UN
sam Mod 52m			NPN/PNP with Timing	RP74-T152MD-CY9Q4UN-T
Thru-be			NPN/PNP with Timing (New)	RP74-T152MD-CY9Q4UN-T/N
g Range sing Dis	6"Pig tail (Euro Style)		Emitter	RP74-T152MD-EY9P4LE
Long			NPN/PNP	RP74-T152MD-CY9P4UE
		10-40V DC	NPN/PNP with Timing	RP74-T152MD-CY9P4UE-T
Note:			NPN/PNP with Timing (New)	RP74-T152MD-CY9P4UE-T/N

Note:
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-03—

#### **Long Range Thru-beam Mode (AC/DC)**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		Emitter (2-wire)	RP74-T152MA-EY9C2L2
			SPDT Relay (5-wire)	RP74-T152MR-CY9C5L2
			SPDT Relay with Timing (5-wire)	RP74-T152MR-CY9C5L2-T
		12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-T152MR-CY9C5L2-T/N
	Quick Disconnect (Micro Style)	24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-T152MS-CY9C4L2
Ε			Solid State Isolated N.O. (4-wire) with Timing	RP74-T152MS-CY9C4L2-T
180ni			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T152MS-CY9C4L2-T/N
8 :. 9			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T152MC-CY9C2U2
frare	Quick Disconnect (Micro Style)		Emitter (2-wire)	RP74-T152MA-EY9Q4LM
<u>=</u>			Solid State Isolated N.O. (4-wire)	RP74-T152MS-CY9Q4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-T152MS-CY9Q4LM-T
		12-240V DC/	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T152MS-CY9Q4LM-T/N
		24-240V AC	SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T152MC-CY9Q4UM
152 m		_		
<b>I</b>	I			
	Quick Disconnect (Mini Style)		Emitter (2-wire)	RP74-T152MA-EY9Q4LN
			SPDT Relay (5-wire)	RP74-T152MR-CY9Q5LN
			SPDT Relay with Timing (5-wire)	RP74-T152MR-CY9Q5LN-T
<u>o</u>			SPDT Relay with Timing (New) (5-wire)	RP74-T152MR-CY9Q5LN-T/N
Mode			Solid State Isolated N.O. (4-wire)	RP74-T152MS-CY9Q4LN
Long Range Thru-beam M Sensing Distance: 152m			Solid State Isolated N.O. (4-wire) with Timing	RP74-T152MS-CY9Q4LN-T
J-be			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T152MS-CY9Q4LN-T/N
nge Thru-beam Distance: 152m			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T152MC-CY9Q4UN
nge . Dist	6" Pig tail (Micro Style)		Emitter (2-wire)	RP74-T152MA-EY9P4LM
ong Rar ensing			SPDT Relay (5-wire)	RP74-T152MR-CY9P5LM
ong	The state of the s		SPDT Relay with Timing (5-wire)	RP74-T152MR-CY9P5LM-T
J S		12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-T152MR-CY9P5LM-T/N
		24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-T152MS-CY9P4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-T152MS-CY9P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-T152MS-CY9P4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-T152MC-CY9P4UM
Note:			Light-ON/Dark-ON (2-WITE)	IN 74-1 IJZWIC-CTSF4CWI

Note:
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-04—

#### **Retroreflective Mode**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-L015MD-CY6C4U2
		10-40V DC	NPN/PNP with Timing	RP74-L015MD-CY6C4U2-T
			NPN/PNP with Timing (New)	RP74-L015MD-CY6C4U2-T/N
	THE PART OF THE PA		SPDT Relay (5-wire)	RP74-L015MR-CY6C5L2
			SPDT Relay (5-wire)	RP74-L015MR-CY6C5L2-T
_			SPDT Relay with Timing (New) (5-wire)	RP74-L015MR-CY6C5L2-T/N
ш		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-L015MS-CY6C4L2
099	T	24-240V AC	Solid State Isolated N.O. (4-wire) with Timing	RP74-L015MS-CY6C4L2-T
Ged Light: 660 nm		Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L015MS-CY6C4L2-T/N	
Lig			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L015MC-CY6C2U2
bes	Quick Disconnect		NPN/PNP	RP74-L015MD-CY6Q4UE
Œ		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-L015MD-CY6Q4UE-T
		(Laro otylo)	NPN/PNP with Timing (New)	RP74-L015MD-CY6Q4UE-T/N
			Solid State Isolated N.O. (4-wire)	RP74-L015MS-CY6Q4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-L015MS-CY6Q4LM-T
		12-240V DC/	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L015MS-CY6Q4LM-T/N
		24-240V AC	SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L015MC-CY6Q4UM
m 4		(Micro-style)		
	Quick Disconnect	10-40V DC (Mini-style)	NPN/PNP	RP74-L015MD-CY6Q4UN
			NPN/PNP with Timing	RP74-L015MD-CY6Q4UN-T
		( 31,3)	NPN/PNP with Timing (New)	RP74-L015MD-CY6Q4UN-T/N
			SPDT Relay (5-wire)	RP74-L015MR-CY6Q5LN
ote)	1000		SPDT Relay (5-wire)	RP74-L015MR-CY6Q5LN-T
(Note)		12-240V DC/- 24-240V AC (Mini-style)	SPDT Relay with Timing (New) (5-wire)	RP74-L015MR-CY6Q5LN-T/N
E			Solid State Isolated N.O. (4-wire)	RP74-L015MS-CY6Q4LN
ode : 15			Solid State Isolated N.O. (4-wire) with Timing	RP74-L015MS-CY6Q4LN-T
₩ ₩ W			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L015MS-CY6Q4LN-T/N
tive			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L015MC-CY6Q4UN
Retroreflective Mode Sensing Distance: 15	6"Pig tail		NPN/PNP	RP74-L015MD-CY6P4UE
ref		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-L015MD-CY6P4UE-T
Retroref		(Laro otylo)	NPN/PNP with Timing (New)	RP74-L015MD-CY6P4UE-T/N
S <sub>e</sub>	The same		SPDT Relay (5-wire)	RP74-L015MR-CY6P5LM
			SPDT Relay (5-wire)	RP74-L015MR-CY6P5LM-T
	E E	12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-L015MR-CY6P5LM-T/N
		24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-L015MS-CY6P4LM
		(Micro-style)	Solid State Isolated N.O. (4-wire) with Timing	RP74-L015MS-CY6P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L015MS-CY6P4LM-T/N
			SPST Solid-state (2 wire)	RP74-L015MC-CY6P4UM
			Light-ON/Dark-ON (2-WITE)	

In Preparation: Part numbers with a line through the middle

#### **Retroreflective Mode**

Sensing mode	Connection	Supply Voltage	Output mode	Part number
	Cable	10-40V DC	NPN/PNP	RP74-L4870D-CY6C4U2-PF
	» E	10-40V DC	NPN/PNP with Timing	RP74-L4870D-CY6C4U2-TP
_			SPDT Relay	RP74-L4870R-CY6C5L2-PF
360nm		12-240VDC/	SPDT Relay with Timing	RP74-L4870R-CY6C5L2-TP
Red light : 660nm		24-240VAC	Solid State Isolated N.O.	RP74-L4870S-CY6C4U2-PF
Red li	Red Ii		Solid State Isolated N.O. With Timing	RP74-L4870S-CY6C4U2-TP
	Quick Disconnect	10-40V DC	NPN/PNP	RP74-L4870D-CY6Q4UE-PF
		(Euro)	NPN/PNP with Timing	RP74-L4870D-CY6Q4UE-TP
			Solid State Isolated N.O.	RP74-L4870S-CY6Q4UM-PF
4.87		12-240VDC/ 24-240VAC (Micro)	Solid State Isolated N.O. with Timing	RP74-L4870S-CY6Q4UM-TP
	Quick Disconnect (Mini)	10-40V DC	NPN/PNP	RP74-L4870D-CY6Q4UN-PF
E,	MADE -		NPN/PNP with Timing	RP74-L4870D-CY6Q4UN-TP
Retroreflective mode with polarized Sensing distance: 4.87m		12-240VDC/ 24-240VAC	SPDT Relay	RP74-L4870R-CY6Q5LN-PF
tive m			SPDT Relay with Timing	RP74-L4870R-CY6Q5LN-TP
Retroreflective with polarized Sensing dista			Solid State Isolated N.O.	RP74-L4870S-CY6Q4UN-PF
Retro with p			Solid State Isolated N.O. with Timing	RP74-L4870S-CY6Q4UN-TP
	Pig tail	10-40V DC	NPN/PNP	RP74-L4870D-CY6P4U-PF
	, E	10-40V DC	NPN/PNP with Timing	RP74-L4870D-CY6P4U-TP
			SPDT Relay	RP74-L4870R-CY6P5L-PF
		12-240VDC/	SPDT Relay with Timing	RP74-L4870R-CY6P5L-TP
	7	24-240VAC	Solid State Isolated N.O.	RP74-L4870S-CY6P4U-PF
			Solid State Isolated N.O. with Timing	RP74-L4870S-CY6P4U-TP

#### **Retroreflective Mode**

Sensing mod	e Connection	Supply Voltage	Output mode	Part number
	Cable	10-40V DC	NPN/PNP	RP74-L9140D-CY6C4U2
Red light: 660nm	» E	10-40V DC	NPN/PNP with Timing	RP74-L9140D-CY6C4U2-T
			SPDT Relay	RP74-L9140R-CY6C5L2
		12-240VDC/	SPDT Relay with Timing	RP74-L9140R-CY6C5L2-T
	-	24-240VAC	Solid State Isolated N.O.	RP74-L9140S-CY6C4U2
		Solid State Isolated N.O. with Timing	RP74-L9140S-CY6C4U2-T	
	Quick Disconnect	10-40V DC	NPN/PNP	RP74-L9140D-CY6Q4UE
		(Euro)	NPN/PNP with Timing	RP74-L9140D-CY6Q4UE-T
			Solid State Isolated N.O.	RP74-L9140S-CY6Q4UM
9.14m		12-240VDC/ 24-240VAC (Micro)	Solid State Isolated N.O. with Timing	RP74-L9140S-CY6Q4UM-T
	Quick Disconnect (Mini)			
		10-40V DC	NPN/PNP	RP74-L9140D-CY6Q4UN
Ē			NPN/PNP with Timing	RP74-L9140D-CY6Q4UN-T
e mode nce: 9.14m	30 55 S		SPDT Relay	RP74-L9140R-CY6Q5LN
		12-240VDC/	SPDT Relay with Timing	RP74-L9140R-CY6Q5LN-T
Retroreflectiv Sensing dista			Solid State Isolated N.O.	RP74-L9140S-CY6Q4UN
Retroreflectiv Sensing dista	<b>E</b> 3		Solid State Isolated N.O. with Timing	RP74-L9140S-CY6Q4UN-T
	Pig tail	10-40V DC	NPN/PNP	RP74-L9140D-CY6P4U
	, 3	10-40V DC	NPN/PNP with Timing	RP74-L9140D-CY6P4U-T
			SPDT Relay	RP74-L9140R-CY6P5L
		12-240VDC/	SPDT Relay with Timing	RP74-L9140R-CY6P5L-T
		24-240VAC	Solid State Isolated N.O.	RP74-L9140S-CY6P4U
			Solid State Isolated N.O. with Timing	RP74-L9140S-CY6P4U-T

#### Retroreflective Mode with Polarizing Filter

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-L010MD-GY6C4U2-PF
		10-40V DC	NPN/PNP with Timing	RP74-L010MD-CY6C4U2-TP
			NPN/PNP with Timing (New)	RP74-L010MD-GY6C4U2-TP/N
	The state of the s		SPDT Relay (5-wire)	RP74-L010MR-CY6C5L2-PF
			SPDT Relay (5-wire)	RP74-L010MR-CY6C5L2-TP
_			SPDT Relay with Timing (New) (5-wire)	RP74-L010MR-CY6C5L2-TP/N
nu e		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-L010MS-CY6C4L2-PF
099	T	24 240 V AO	Solid State Isolated N.O. (4-wire) with Timing	RP74-L010MS-CY6C4L2-TP
ht:			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L010MS-CY6C4L2-TP/N
Lig			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L010MC-CY6C2U2-PF
Red Light: 660 nm	Quick Disconnect		NPN/PNP	RP74-L010MD-CY6Q4UE-PF
<u> </u>		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-L010MD-CY6Q4UE-TP
		(=0.0 0.3.0)	NPN/PNP with Timing (New)	RP74-L010MD-CY6Q4UE-TP/N
			Solid State Isolated N.O. (4-wire)	RP74-L010MS-CY6Q4LM-PF
<u> </u>			Solid State Isolated N.O. (4-wire) with Timing	RP74-L010MS-CY6Q4LM-TP
		12-240V DC/ 24-240V AC (Micro-style)	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L010MS-CY6Q4LM-TP/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L010MC-CY6Q4UM-PF
10 d				
	Quick Disconnect	10-40V DC (Mini-style)	NPN/PNP	RP74-L010MD-CY6Q4UN-PF
			NPN/PNP with Timing	RP74-L010MD-CY6Q4UN-TP
			NPN/PNP with Timing (New)	RP74-L010MD-CY6Q4UN-TP/N
		12-240V DC/ 24-240V AC (Mini-style)	SPDT Relay (5-wire)	RP74-L010MR-CY6Q5LN-PF
(e)			SPDT Relay (5-wire)	RP74-L010MR-CY6Q5LN-TP
(Note)			SPDT Relay with Timing (New) (5-wire)	RP74-L010MR-CY6Q5LN-TP/N
E			Solid State Isolated N.O. (4-wire)	RP74-L010MS-CY6Q4LN-PF
de ter 10			Solid State Isolated N.O. (4-wire) with Timing	RP74-L010MS-CY6Q4LN-TP
Mo Filt			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L010MS-CY6Q4LN-TP/N
ive ng tan			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L010MC-CY6Q4UN-PF
Retroreflective Mode with Polarizing Filter Sensing Distance: 10	6"Pig tail		NPN/PNP	RP74-L010MD-CY6P4UE-PF
efli ola ng l		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-L010MD-CY6P4UE-TP
Retroref with Pola Sensing		(Euro style)	NPN/PNP with Timing (New)	RP74-L010MD-CY6P4UE-TP/N
Ret wit	The state of		SPDT Relay (5-wire)	RP74-L010MR-CY6P5LM-PF
			SPDT Relay with Timing (5-wire)	RP74-L010MR-CY6P5LM-TP
	A SECOND	42 2404 504	SPDT Relay with Timing (New) (5-wire)	RP74-L010MR-CY6P5LM-TP/N
		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-L010MS-CY6P4LM-PF
	Τ /	(Micro-style)	Solid State Isolated N.O. (4-wire)	RP74-L010MS-CY6P4LM-TP
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-L010MS-CY6P4LM-TP/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-L010MC-CY6P4UM-PF
Note: Used with R	l R <b>E-D82</b> (supplied with sensor) refl	ector	Light-ON/Dark-ON	

Note: Used with RE-D82 (supplied with sensor) reflector.

#### **Standard Diffuse Mode**

10-40V DC	4U2-T/N 5L2 5L2-T/N 4L2 4L2-T/N 4L2-T/N 4U2-T/N 4UE 4UE-T/N 4UE-T/N 4LM
NPN/PNP with Timing (New)   RP74-D1520D-CY9C	4U2-T/N 5L2 5L2-T 5L2-T/N 4L2 4L2-T 4L2-T/N 2U2 4UE 4UE-T/N 4UE-T/N
SPDT Relay	5L2 5L2-T/N 4L2 4L2-T 4L2-T/N 2U2 4UE 4UE-T/N 4LM
SPDT Relay with Timing (S-wire) RP74-D1520R-CY9C SPDT Relay with Timing (New) (5-wire) RP74-D1520R-CY9C With Timing (New) (S-wire) RP74-D1520R-CY9C Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520S-CY9C SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520D-CY9C NPN/PNP with Timing (New) RP74-D1520D-CY9C NPN/PNP with Timing (New) RP74-D1520D-CY9C Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C With Timing (New) SPST Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C WITH Timing (New) SPST Solid State Isola	5L2-T/N 5L2-T/N 4L2 4L2-T 4L2-T/N 2U2 4UE 4UE-T 4UE-T/N
with Timing (s-wire) RP74-D1520R-CY9C.  SPDT Relay with Timing (New) (5-wire) RP74-D1520R-CY9C.  24-240V AC  12-240V AC  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C.  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C.  With Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C.  With Timing (New)  RP74-D1520S-CY9C.  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C.  Whyper RP74-D1520S-CY9C.  RP74-D1520S-CY9C.  RP74-D1520S-CY9C.  RP74-D1520S-CY9C.  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C.	5L2-T/N 4L2 4L2-T 4L2-T/N 2U2 4UE 4UE-T/N 4UE-T/N
12-240V DC/24-240V AC   12-240V AC   24-240V AC   24-24	4L2-T 4L2-T/N 4L2-T/N 2U2 4UE 4UE-T 4UE-T/N
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Quick Disconnect  Quick Disconnect  RP74-D1520S-CY9CA with Timing (New)  SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520S-CY9CA with Timing (New)  NPN/PNP RP74-D1520S-CY9CA RP74-D1520S-CY9CA RP74-D1520S-CY9CA NPN/PNP with Timing (New)  NPN/PNP with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)  Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9CA with Timing (New)	4L2-T 4L2-T/N 2U2 4UE 4UE-T 4UE-T/N
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9C-with Timing (New) SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520S-CY9C-with Timing (New) SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520S-CY9C-with Timing (New) NPN/PNP RP74-D1520D-CY9Q-With Timing (New) NPN/PNP with Timing (New) Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q-with Timing (New)	4L2-T/N 2U2 4UE 4UE-T 4UE-T/N 4LM
NPN/PNP with Timing (New)  Solid State Isolated N.O. (4-wire)  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q	2U2 4UE 4UE-T 4UE-T/N 4LM
NPN/PNP with Timing (New)  Solid State Isolated N.O. (4-wire)  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q	4UE 4UE-T 4UE-T/N 4LM
NPN/PNP with Timing (New)  Solid State Isolated N.O. (4-wire)  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q	4UE-T/N 4UM
NPN/PNP with Timing (New)  Solid State Isolated N.O. (4-wire)  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing  Solid State Isolated N.O. (4-wire)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q  with Timing (New)  RP74-D1520S-CY9Q	4UE-T/N 4LM
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q-with Timing (New) RP74-D1520S-CY9Q	4LM
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q-with Timing (New) RP74-D1520S-With	
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q. with Timing (New) SPST Solid states	
12-240V DC/ With Timing (New)	4LM-T
24-240V AC (Micro-style) SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520C-CY9Q	4LM-T/N
(MICIO-Style)	4UM
Quick Disconnect NPN/PNP RP74-D1520D-CY9Q	4UN
10-40V DC (Mini-style) NPN/PNP with Timing RP74-D1520D-CY9Q	4UN-T
NPN/PNP with Timing (New) RP74-D1520D-CY9Q	4UN-T/N
SPDT Relay (5-wire) RP74-D1520R-CY9Q	5LN
SPDT Relay (5-wire) RP74-D1520R-CY9Q SPDT Relay	5LN-T
with Timing (5 mile) RP74-D1520R-CY9Q with Timing (New) (5-wire) RP74-D1520R-CY9Q	5LN-T/N
24-240V AC Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q	4LN
(Mini-style) Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q	4LN-T
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9Q-with Timing (New)  SPST Solid-state Light-ON/Dark-ON (2-wire) RP74-D1520D-CY9P-with Timing (New) RP74-D1520D-CY9P-with Timing (New)  SPST Solid-state Isolated N.O. (4-wire) RP74-D1520S-CY9Q-with Timing (New) RP74-D1520D-CY9P-with Timing (New) RP74-D152	4LN-T/N
SPST Solid-State (2-wire) RP74-D1520C-CY9Q	<del>4UN</del>
Fig. 6"Pig tail NPN/PNP RP74-D1520D-CY9P4	4UE
NPN/PNP with Timing RP74-D1520D-CY9P4	4UE-T
NPN/PNP with Timing (New) RP74-D1520D-CY9P4	4UE-T/N
SPDT Relay (5-wire) RP74-D1520R-CY9PE SPDT Relay (5-wire) RP74-D1520R-CY9PE	5LM
SPDT Relay (5-wire) RP74-D1520R-CY9PE SPDT Relay (5-wire) RP74-D4520R-CY9PE	5LM-T
12-240V DC/ with Timing (New) (3-Wife) RP74-D1920R-C19P3	<del>5LM-T/N</del>
24-240V AC   Solid State Isolated N.O. (4-wire)   RP74-D1520S-CY9P4	4LM
with Timing RP74-D1520S-CY9P4	4LM-T
Solid State Isolated N.O. (4-wire) RP74-D1520S-CY9P4 with Timing (New) SPST Solid-state	<del>1LM-T/N</del>
	<del>4UM</del>

ote:

Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-09—

#### Long Range Diffuse Mode

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-D3040D-CY9C4U2
		10-40V DC	NPN/PNP with Timing	RP74-D3040D-CY9C4U2-T
			NPN/PNP with Timing (New)	RP74-D3040D-CY9C4U2-T/N
	The seal of the se		SPDT Relay (5-wire)	RP74-D3040R-CY9C5L2
			SPDT Relay (5-wire)	RP74-D3040R-CY9C5L2-T
			SPDT Relay with Timing (New) (5-wire)	RP74-D3040R-CY9C5L2-T/N
		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-D3040S-CY9C4L2
Ē		2.2.007.0	Solid State Isolated N.O. (4-wire) with Timing	RP74-D3040S-CY9C4L2-T
Infrared: 880nm			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-D3040S-CY9C4L2-T/N
 8			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-D3040C-CY9C2U2
are	Quick Disconnect		NPN/PNP	RP74-D3040D-CY9Q4UE
Infr		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-D3040D-CY9Q4UE-T
		, , ,	NPN/PNP with Timing (New)	RP74-D3040D-CY9Q4UE-T/N
			Solid State Isolated N.O. (4-wire)	RP74-D3040S-CY9Q4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-D3040S-CY9Q4LM-T
		12-240V DC/ 24-240V AC (Micro-style)	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-D3040S-CY9Q4LM-T/N
<b>E ♦</b>			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-D3040C-CY9Q4UM
3.04m				
			<del></del>	
	Quick Disconnect	10-40V DC	NPN/PNP	RP74-D3040D-CY9Q4UN
		(Mini-style)	NPN/PNP with Timing	RP74-D3040D-CY9Q4UN-T
			NPN/PNP with Timing (New)	RP74-D3040D-CY9Q4UN-T/N
		12-240V DC/ 24-240V AC (Mini-style)	SPDT Relay (5-wire) SPDT Relay (5-wire)	RP74-D3040R-CY9Q5LN
ode 4m			with Timing (5-WIFE)	RP74-D3040R-CY9Q5LN-T
≥ ∘			with Timing (New) (5-WIFE)	RP74-D3040R-CY9Q5LN-T/N
.: 3			Solid State Isolated N.O. (4-wire)  Solid State Isolated N.O. (4-wire)	RP74-D3040S-CY9Q4LN
iffu		` ,	with filling	RP74-D3040S-CY9Q4LN-T
nge Diffus Distance:			Solid State Isolated N.O. (4-wire) with Timing (New)  SPST Solid-state (0.wire)	RP74-D3040S-CY9Q4LN-T/N
ang J Di			Light-ON/Dark-ON (2-wire)	RP74-D3040C-CY9Q4UN
J Ra	6"Pig tail	10-40V DC	NPN/PNP	RP74-D3040D-CY9P4UE
Long Range Diffuse Sensing Distance: 3		(Euro-style)	NPN/PNP with Timing	RP74-D3040D-CY9P4UE-T
J S			NPN/PNP with Timing (New)	RP74-D3040D-CY9P4UE-T/N
			SPDT Relay (5-wire) SPDT Relay (5-wire)	RP74-D3040R-CY9P5LM
			with Timing (5-WIFE)	RP74-D3040R-CY9P5LM-T
		12-240V DC/	with Timing (New)	RP74-D3040R-CY9P5LM-T/N
	7	24-240V AC (Micro-style)	Solid State Isolated N.O. (4-wire) Solid State Isolated N.O. (4-wire)	RP74-D3040S-CY9P4LM
			with Timing (4-Wife)	RP74-D3040S-CY9P4LM-T
			with Timing (New)  SPST Solid-state  (2 wire)	RP74-D3040S-CY9P4LM-T/N
Note:			Light-ON/Dark-ON (2-wire)	RP74-D3040C-CY9P4UM

Note:
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-10—

#### **Clear Object Detector**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-S1200D-CY6C4U2
		10-40V DC	NPN/PNP with Timing	RP74-S1200D-CY6C4U2-T
			NPN/PNP with Timing (New)	RP74-S1200D-CY6C4U2-T/N
	SEAT CO		SPDT Relay (5-wire)	RP74-S1200R-CY6C5L2
			SPDT Relay (5-wire)	RP74-S1200R-CY6C5L2-T
			SPDT Relay with Timing (New) (5-wire)	RP74-S1200R-CY6C5L2-T/N
٤	9	12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-S1200S-CY6C4L2
Quick Disconnect		24-240V AC	Solid State Isolated N.O. (4-wire) with Timing	RP74-S1200S-CY6C4L2-T
		Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-S1200S-CY6C4L2-T/N	
ght			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-S1200C-CY6C2U2
d II	Quick Disconnect		NPN/PNP	RP74-S1200D-CY6Q4UE
Re		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-S1200D-CY6Q4UE-T
		(Luio-style)	NPN/PNP with Timing (New)	RP74-S1200D-CY6Q4UE-T/N
			Solid State Isolated N.O. (4-wire)	RP74-S1200S-CY6Q4LM
	SEAN CT		Solid State Isolated N.O. (4-wire) with Timing	RP74-S1200S-CY6Q4LM-T
	2 1	12 240V DC/	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-S1200S-CY6Q4LM-T/N
	1	12-240V DC/- 24-240V AC (Micro-style)	SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-S1200C-CY6Q4UM
<u>                                   </u>				
2. Sm.				
<b>-</b>     <b> </b>			<del></del>	
	Quick Disconnect		NPN/PNP	RP74-S1200D-CY6Q4UN
		10-40V DC (Mini-style)	NPN/PNP with Timing	RP74-S1200D-CY6Q4UN-T
		, ,	NPN/PNP with Timing (New)	RP74-S1200D-CY6Q4UN-T/N
		12-240V DC/. 24-240V AC	SPDT Relay (5-wire)	RP74-S1200R-CY6Q5LN
	Tall (		SPDT Relay (5-wire)	RP74-S1200R-CY6Q5LN-T
ote)	2 1		SPDT Relay with Timing (New) (5-wire)	RP74-S1200R-CY6Q5LN-T/N
(N			Solid State Isolated N.O. (4-wire)	RP74-S1200S-CY6Q4LN
E		(Mini-style)	Solid State Isolated N.O. (4-wire) with Timing	RP74-S1200S-CY6Q4LN-T
: 1.3			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-S1200S-CY6Q4LN-T/N
etec			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-S1200C-CY6Q4UN
Clear Object Detector Sensing Distance: 1.2m	6"Pig tail		NPN/PNP	RP74-S1200D-CY6P4UE
jec		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-S1200D-CY6P4UE-T
do ng		(Luio otylo)	NPN/PNP with Timing (New)	RP74-S1200D-CY6P4UE-T/N
Clear Ob Sensing	THE CO		SPDT Relay (5-wire)	RP74-S1200R-CY6P5LM
Cle			SPDT Relay with Timing (5-wire)	RP74-S1200R-CY6P5LM-T
		12 2401/ 50/	SPDT Relay with Timing (New) (5-wire)	RP74-S1200R-CY6P5LM-T/N
		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-S1200S-CY6P4LM
		(Micro-style)	Solid State Isolated N.O. (4-wire) with Timing	RP74-S1200S-CY6P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-S1200S-CY6P4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-S1200C-CY6P4UM
Note: Used wit	h <b>RE-D82</b> (supplied with sen	sor) reflect		

Used with RE-D82 (supplied with sensor) reflector.
Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
— Bb-11—

#### **Plastic Fiber Optic Mode**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-FPFD-CY6C4U2
		10-40V DC	NPN/PNP with Timing	RP74-FPFD-CY6C4U2-T
	1		NPN/PNP with Timing (New)	RP74-FPFD-CY6C4U2-T/N
			SPDT Relay (5-wire)	RP74-FPFR-CY6C5L2
	26		SPDT Relay (5-wire)	RP74-FPFR-CY6C5L2-T
			SPDT Relay with Timing (New) (5-wire)	RP74-FPFR-CY6C5L2-T/N
Ε		12-240V DC/ 24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-FPFS-CY6C4L2
Red light: 660nm		24 240 FAG	Solid State Isolated N.O. (4-wire) with Timing	RP74-FPFS-CY6C4L2-T
99 ::	,		Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FPFS-CY6C4L2-T/N
ght			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FPFC-CY6C2U2
iii D	Quick Disconnect		NPN/PNP	RP74-FPFD-CY6Q4UE
Re		10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-FPFD-CY6Q4UE-T
	15	(======================================	NPN/PNP with Timing (New)	RP74-FPFD-CY6Q4UE-T/N
			Solid State Isolated N.O. (4-wire)	RP74-FPFS-CY6Q4LM
	56		Solid State Isolated N.O. (4-wire) with Timing	RP74-FPFS-CY6Q4LM-T
		12-240V DC/ 24-240V AC (Micro-style)	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FPFS-CY6Q4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FPFC-CY6Q4UM
	Quick Disconnect	10-40V DC (Mini-style)	NPN/PNP	RP74-FPFD-CY6Q4UN
			NPN/PNP with Timing	RP74-FPFD-CY6Q4UN-T
			NPN/PNP with Timing (New)	RP74-FPFD-CY6Q4UN-T/N
9 (c)		12-240V DC/ 24-240V AC (Mini-style)	SPDT Relay (5-wire)	RP74-FPFR-CY6Q5LN
c Mode (Note)			SPDT Relay with Timing (5-wire)	RP74-FPFR-CY6Q5LN-T
tic l	22 20		SPDT Relay with Timing (New) (5-wire)	RP74-FPFR-CY6Q5LN-T/N
Opt			Solid State Isolated N.O. (4-wire)	RP74-FPFS-CY6Q4LN
iber-Op			Solid State Isolated N.O. (4-wire) with Timing	RP74-FPFS-CY6Q4LN-T
Fib			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FPFS-CY6Q4LN-T/N
tic			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FPFC-CY6Q4UN
Plastic Fiber-Optic Mode Sensing Distance (Note)	6"Pig tail		NPN/PNP	RP74-FPFD-CY6P4UE
_ v	1000	10-40V DC (Euro-style)	NPN/PNP with Timing	RP74-FPFD-CY6P4UE-T
			NPN/PNP with Timing (New)	RP74-FPFD-CY6P4UE-T/N
			SPDT Relay (5-wire)	RP74-FPFR-CY6P5LM
			SPDT Relay with Timing (5-wire)	RP74-FPFR-CY6P5LM-T
		12-240V DC/	SPDT Relay with Timing (New) (5-wire)	RP74-FPFR-CY6P5LM-T/N
		24-240V AC	Solid State Isolated N.O. (4-wire)	RP74-FPFS-CY6P4LM
		(Micro-style)	Solid State Isolated N.O. (4-wire) with Timing	RP74-FPFS-CY6P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FPFS-CY6P4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FPFC-CY6P4UM
		(Micro-style)	Solid State Isolated N.O. (4-wire) with Timing Solid State Isolated N.O. (4-wire) with Timing (New) SPST Solid-state (2 wire)	RP74-FPFS-CY6P4LM-T/N

Note: Depends on fiber optic used (Please see our Glass Fiber & Plastic Fiber catalogue for detail information).

Coming Soon: Part numbers with underline
In Preparation: Part numbers with a line through the middle
——Bb-12——

#### **Glass Fiber Optic Mode**

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
	2m Cable		NPN/PNP	RP74-FGFD-CY9C4U2
		10-40V DC	NPN/PNP with Timing	RP74-FGFD-CY9C4U2-T
	1-1		NPN/PNP with Timing (New)	RP74-FGFD-CY9C4U2-T/N
			SPDT Relay (5-wire)	RP74-FGFR-CY9C5L2
			SPDT Relay (5-wire)	RP74-FGFR-CY9C5L2-T
		12-240V DC/ 24-240V AC	SPDT Relay with Timing (New) (5-wire)	RP74-FGFR-CY9C5L2-T/N
			Solid State Isolated N.O. (4-wire)	RP74-FGFS-CY9C4L2
Ē			Solid State Isolated N.O. (4-wire) with Timing	RP74-FGFS-CY9C4L2-T
Infrared: 880 nm			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FGFS-CY9C4L2-T/N
∞ 			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FGFC-CY9C2U2
rec	Quick Disconnect		NPN/PNP	RP74-FGFD-CY9Q4UE
ıfra		(Euro-style)	NPN/PNP with Timing	RP74-FGFD-CY9Q4UE-T
<u> </u>	1000	(=0.0 0.3.0)	NPN/PNP with Timing (New)	RP74-FGFD-CY9Q4UE-T/N
			Solid State Isolated N.O. (4-wire)	RP74-FGFS-CY9Q4LM
	35		Solid State Isolated N.O. (4-wire) with Timing	RP74-FGFS-CY9Q4LM-T
	Linding The Control of the Control o	12-240V DC/	Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FGFS-CY9Q4LM-T/N
		24-240V AC	SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FGFC-CY9Q4UM
		(Micro-style)		
		,		
			<del></del>	
	Quick Disconnect		NPN/PNP	RP74-FGFD-CY9Q4UN
		10-40V DC (Mini-style)	NPN/PNP with Timing	RP74-FGFD-CY9Q4UN-T
		, , ,	NPN/PNP with Timing (New)	RP74-FGFD-CY9Q4UN-T/N
			SPDT Relay (5-wire)	RP74-FGFR-CY9Q5LN
de te)		12-240V DC/ 24-240V AC (Mini-style)	SPDT Relay with Timing (5-wire)	RP74-FGFR-CY9Q5LN-T
Mode (Note)			SPDT Relay with Timing (New) (5-wire)	RP74-FGFR-CY9Q5LN-T/N
			Solid State Isolated N.O. (4-wire)	RP74-FGFS-CY9Q4LN
Opt an			Solid State Isolated N.O. (4-wire) with Timing	RP74-FGFS-CY9Q4LN-T
er-(			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FGFS-CY9Q4LN-T/N
Fib ig C			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FGFC-CY9Q4UN
Glass Fiber-Optic Sensing Distance	6"Pig tail		NPN/PNP	RP74-FGFD-CY9P4UE
Gla Sen		(Euro-style)	NPN/PNP with Timing	RP74-FGFD-CY9P4UE-T
0 0,		` ,	NPN/PNP with Timing (New)	RP74-FGFD-CY9P4UE-T/N
		12-240V DC/- 24-240V AC (Micro-style)	SPDT Relay (5-wire)	RP74-FGFR-CY9P5LM
			SPDT Relay with Timing (5-wire)	RP74-FGFR-CY9P5LM-T
			SPDT Relay with Timing (New) (5-wire)	RP74-FGFR-CY9P5LM-T/N
			Solid State Isolated N.O. (4-wire)	RP74-FGFS-CY9P4LM
			Solid State Isolated N.O. (4-wire) with Timing	RP74-FGFS-CY9P4LM-T
			Solid State Isolated N.O. (4-wire) with Timing (New)	RP74-FGFS-CY9P4LM-T/N
			SPST Solid-state Light-ON/Dark-ON (2-wire)	RP74-FGFC-CY9P4UM
Comina So	on fiber optic used (Please see ou bon: Part numbers with underline tion: Part numbers with a line thro		dle	detail information).

### **Specifications** (DC)

Sensing Range (Adjustable)  15 m (standard) (Note) 3.04m (long range) 1.2m (Note) 61m or 152m   Depends on Fiber optic cable Field of View 1.5' 3.5' (standard)   1.5' 1.5' 1.5'   1.5'	Sensing Mode	Retroreflective	Diffuse	Clear Object Detector	Thru-beam	Fiber Optic		
Field of View  1.5" 3.5" (standard) 1.5" 1.5" —  Light Source  Visible red 660nm Infrared 880nm Red 660nm Infrared 880nm Visible red 660nm Visible red	Sensing Range (Adjustable)	10 m (polarized)		4.0 (Nata)	61m or 152m	Depends on Fiber optic cable		
Indicator LEDs  Green: Power Yellow: Output Red: Margin  Z ms(Thru-beam's receiver is with 5ms)  Supply Voltage  10-40V DC (Ripple<=10%)  NPN/PNP  Max. Load Current  250 mA  No Load Current  30 mA  Max. Leakage Current  410 uA  Voltage Drop  42.5 V  Operation Mode  Light-ON/Dark-ON selectable via switch  Housing Material  Acrylic  Cover Gasket Material  Acrylic  Cover Gasket Material  Neoprene  Enclosure Rating  1P67  Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-short(with timer mode only)  Time Settings  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  4070°C  Relative Humidity  5% to 95%  EMC  ESD-4KV(contact)  LEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD-4KV(contact)  Lick 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  200 Voltage Withstand Ability  LEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min Shock Resistance  LEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for 30 min Shock Resistance  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 \$\psi \text{ AV0.5} \times \text{ PVC.}	Field of View	, ,		1.5°	1.5°	_		
Response Time 2 ms(Thru-beam's receiver is with 5ms)  Supply Voltage 10-40V DC (Ripple<=10%)  NPN/PNP  Max. Load Current 250 mA  No Load Current < <30 mA  Max. Leakage Current < <10 uA  Voltage Drop < <2.5 V  Operation Mode Light-ON/Dark-ON selectable via switch  Housing Material Glass fiber reinforced plastic  Lens Material Acrylic  Cover Gasket Material Neoprene  Enclosure Rating IP67  Circuit Protection Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature - 2555°C  Storage Temperature - 4070°C  Relative Humidity S% to 95%  EMC   EC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHz), EFT>1KV, ESD=4KV(contact)  Voltage Withstand Ability   IEC 60947-5-2, Parts 3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  Insulation Resistance   200 N O , with 500V DC megger between all supply terminals connected together and enclosure  Vibration Resistance   IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min Shock Resistance   IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each Mounting Bracket   Pr74-A1 or RP74-A2 or RP74-A3 (please see Accessories)	Light Source	Visible red 660nm	Infrared 880nm	Red 660nm	Infrared 880nm	Visible red 660nm or Infrared 880nm		
Supply Voltage         10-40V DC (Ripple<=10%)	Indicator LEDs	Green: Power Yellow: Output Red: Margin						
Output Type  NPN/PNP  Max. Load Current  250 mA  No Load Current  410 uA  Voltage Drop  2.5 V  Operation Mode  Light-ON/Dark-ON selectable via switch  Housing Material  Class fiber reinforced plastic  Lens Material  Acrylic  Cover Gasket Material  Neoprene  Enclosure Rating  IP67  Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  -4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Lec 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  Voltage Withstand Ability  Insulation Resistance    EC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min Shock Resistance    EC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 \$\psi\$ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Response Time	2 ms(Thru-beam's receiver is with 5ms)						
Max. Load Current  250 mA  No Load Current  30 mA  Max. Leakage Current  30 mA  Voltage Drop  2.5 V  Operation Mode  Light-ON/Dark-ON selectable via switch  Housing Material  Glass fiber reinforced plastic  Lens Material  Acrylic  Cover Gasket Material  Neoprene  Enclosure Rating  IP67  Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  -4070°C  Storage Temperature  4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/Im(in 30-1000MHZ), EFT>1KV, ESD>2KV(contact)  Voltage Withstand Ability  IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  1nsulation Resistance  >20M 0, with 500V DC megger between all supply terminals connected together and enclosure  Vibration Resistance  IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min Shock Resistance  IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  2m 6.1 \( \psi \) 4x0.5 5x0.5 (Emitter :3x0.5) PVC.	Supply Voltage	10-40V DC (Ripple<=10%)						
No Load Current	Output Type	NPN/PNP						
Max. Leakage Current <a href="#"><a hr<="" td=""><td>Max. Load Current</td><td colspan="6">250 mA</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Max. Load Current	250 mA						
Voltage Drop  <2.5 V Operation Mode Light-ON/Dark-ON selectable via switch Housing Material Glass fiber reinforced plastic Lens Material Acrylic Cover Gasket Material Neoprene Enclosure Rating IP67 Circuit Protection Outputs short circuit and over current protected, Vs reverse polarity protected Time Options No delay, On delay, Off delay, One-shot(with timer mode only) Time Settings Adjustable, 0.11.5 s or 015s (with timer mode only) Ambient Operating Temperature -2555°C Storage Temperature 4070°C Relative Humidity 5% to 95% EMC IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact) Insulation Resistance   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   200M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   300M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   300M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure   300M \( \text{Q} \), with 500V DC megger between all supply terminals connected together and enclosure </td <td>No Load Current</td> <td colspan="6">&lt;30 mA</td>	No Load Current	<30 mA						
Light-ON/Dark-ON selectable via switch  Housing Material  Glass fiber reinforced plastic  Lens Material  Acrylic  Cover Gasket Material  Neoprene  Enclosure Rating  IP67  Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  -2555°C  Storage Temperature  -4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Voltage Withstand Ability  IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  Vibration Resistance  ≥20M Ω, with 500V DC megger between all supply terminals connected together and enclosure  Vibration Resistance  IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30 min Shock Resistance  IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time each  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 ∮ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Max. Leakage Current	<10 uA						
Housing Material  Glass fiber reinforced plastic  Acrylic  Cover Gasket Material  Neoprene  Enclosure Rating  IP67  Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  -2555°C  Storage Temperature  -4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Voltage Withstand Ability  IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure    >20M \( \Omega\$, with 500V DC megger between all supply terminals connected together and enclosure    Vibration Resistance   IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30 min Shock Resistance    IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time each Mounting Bracket    RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)    2m 6.1 \( \Phi \) 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Voltage Drop	<2.5 V						
Lens Material       Acrylic         Cover Gasket Material       Neoprene         Enclosure Rating       IP67         Circuit Protection       Outputs short circuit and over current protected, Vs reverse polarity protected         Time Options       No delay, On delay, Off delay, One-shot(with timer mode only)         Time Settings       Adjustable, 0.11.5 s or 015s (with timer mode only)         Ambient Operating Temperature       -2555°C         Storage Temperature       -4070°C         Relative Humidity       5% to 95%         EMC       IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)         Voltage Withstand Ability       IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure         Insulation Resistance       ≥20M ○, with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Operation Mode	Light-ON/Dark-ON selectable via switch						
Enclosure Rating IP67  Circuit Protection Outputs short circuit and over current protected, Vs reverse polarity protected Time Options No delay, On delay, Off delay, One-shot(with timer mode only)  Time Settings Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature -2555°C  Storage Temperature -4070°C  Relative Humidity 5% to 95%  EMC IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Voltage Withstand Ability IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  Vibration Resistance >20M Ω, with 500V DC megger between all supply terminals connected together and enclosure  Vibration Resistance IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30 min Shock Resistance IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time each Mounting Bracket RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable 2m 6.1 Φ 4X0.5 5X0.5 (Emitter:3X0.5) PVC.	Housing Material	Glass fiber reinforced plastic						
IP67   Circuit Protection   Outputs short circuit and over current protected, Vs reverse polarity protected	Lens Material	Acrylic						
Circuit Protection  Outputs short circuit and over current protected, Vs reverse polarity protected  Time Options  No delay, On delay, Off delay, One-shot(with timer mode only)  Adjustable, 0.11.5 s or 015s (with timer mode only)  Ambient Operating Temperature  -2555°C  Storage Temperature  4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Voltage Withstand Ability  IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  Vibration Resistance  Vibration Resistance  IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30 min Shock Resistance  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Cover Gasket Material	Neoprene						
Time Options       No delay, On delay, Off delay, One-shot(with timer mode only)         Time Settings       Adjustable, 0.11.5 s or 015s (with timer mode only)         Ambient Operating Temperature       -2555°C         Storage Temperature       -4070°C         Relative Humidity       5% to 95%         EMC       IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)         Voltage Withstand Ability       IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure         Insulation Resistance       >20M Ω, with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Enclosure Rating	IP67						
Time Settings       Adjustable, 0.11.5 s or 015s (with timer mode only)         Ambient Operating Temperature       -2555°C         Storage Temperature       -4070°C         Relative Humidity       5% to 95%         EMC       IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)         Voltage Withstand Ability       IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure         Insulation Resistance       >20M Ω, with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 Φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Circuit Protection	Outputs short circuit and over current protected, Vs reverse polarity protected						
Ambient Operating Temperature  -2555°C  Storage Temperature  -4070°C  Relative Humidity  5% to 95%  EMC  IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)  Voltage Withstand Ability  IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure  >20M \( \), with 500V DC megger between all supply terminals connected together and enclosure  Vibration Resistance  IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min  Shock Resistance  IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 \( \Phi \) 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Time Options	No delay, On delay, Off delay, One-shot(with timer mode only)						
Storage Temperature  -4070°C  Relative Humidity  5% to 95%  EMC    EC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)    EC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure    Insulation Resistance   >20M Ω , with 500V DC megger between all supply terminals connected together and enclosure    Vibration Resistance     EC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min     Shock Resistance	Time Settings	Adjustable, 0.11.5 s or 015s (with timer mode only)						
Relative Humidity         5% to 95%         EMC       IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)         Voltage Withstand Ability       IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure         Insulation Resistance       >20M Ω, with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Ambient Operating Temperature	ent Operating Temperature -2555°C						
EMCIEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)Voltage Withstand AbilityIEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosureInsulation Resistance>20M Ω, with 500V DC megger between all supply terminals connected together and enclosureVibration ResistanceIEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30 minShock ResistanceIEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time eachMounting BracketRP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)Cable2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Storage Temperature	-4070°C						
ESD>4KV(contact)         Voltage Withstand Ability       IEC 60947-5-2, Part 8.3.3.4 or 500VDC for one min, between all supply terminals connected together and enclosure         Insulation Resistance       >20M Ω, with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 Φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Relative Humidity	5% to 95%						
Voltage Withstand Ability       connected together and enclosure         Insulation Resistance       >20 M Ω , with 500V DC megger between all supply terminals connected together and enclosure         Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	EMC							
Vibration Resistance       IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min         Shock Resistance       IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each         Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Voltage Withstand Ability							
Shock Resistance  IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each  Mounting Bracket  RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)  Cable  2m 6.1 \$\phi\$ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Insulation Resistance							
Mounting Bracket       RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)         Cable       2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Vibration Resistance	IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min						
Cable         2m 6.1 φ         4X0.5 5X0.5 (Emitter :3X0.5) PVC.	Shock Resistance	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each						
	Mounting Bracket	RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)						
Pigtoil Type	Cable	2m 6.1 φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.						
See Pigtail Series or our Gables & Connectors catalogue.	Pigtail Type	See Pigtail Series or our Cables & Connectors catalogue.						

Note: Used with RE-D82 (supplied with sensor) reflector.

### **Specifications** (AC/DC)

Sensing Mode	Retroreflective	Diffuse	Clear Object Detector	Thru-beam	Fiber Optic		
Sensing Range (Adjustable)	15 m (standard) 10 m (polarized) (Note)	1.52m (standard) 3.04m (long range)	1.2m (Note)	61m or 152m	Depends on Fiber optic cable		
Field of View	1.5°	3.5° (standard) 6.5° (long range)	1.5°	1.5°			
Light Source	Visible red 660nm	Infrared 880nm	Visible red 660nm	Infrared 880nm	Visible red 660nm or Infrared 880nm		
Indicator LEDs	Green: Power Yellow: Output Red: Margin						
Output Type	SPDT EM Relay , Solid State Isolated N.O. , SPST solid-state						
Supply Voltage	12-240V DC/24-240V AC						
Response Time	SPDT EM Relay output: 15ms Solid State Isolated N.O. output: 2ms SPST SCR solid-state relay output: 8ms(thru-beam's receiver units : SPST EM Relay output: 23ms; Solid state Isolated N.O. output: 15ms; SPST SCR solid-state relay output: 2ms ON and 1ms OFF), response time is independent of signal strength						
Max. Load Current	SPDT EM Relay: 10A at 120V AC, 5A at 240V AC, 10A at 28V AC Solid State Isolate N.O. : 300mA at 240V AC/DC SPST SCR solid-state relay: 300mA to 50°C ambient, 100mA to 70°C ambient						
No Load Current	<30 mA						
Max. Leakage Current	SPDT EM Relay: 0; Solid State Isolate N.O. : 1mA at 240VAC SPST SCR solid-state relay: less than 1.7 mA rms						
SPST EM Relay and Solid State Isolated N.O: Light or dark switching selectable via SPST solid-state output: Light/Dark operate select switch				lectable via switch			
Housing Material	Glass fiber reinforced plastic						
Lens Material	ens Material Acrylic						
Cover Gasket Material	Neoprene						
Enclosure Rating	IP67						
Circuit Protection	ircuit Protection  Output short circuit protected (Only for SPST Solid State output type sensor)				sensor)		
Time Options	No delay, On delay, Off delay, One-shot (with timer mode only)						
Time Settings	Adjustable, 0.11.5s or 015s (with timer mode only)						
Ambient Operating Temperature	-2555°C						
Storage Temperature	-4070°C						
Relative Humidity	5% to 95%						
EMC IEC 60947-5-2, Parts 7.2.6.1. 2.3 or RFI>3V/m(in ESD>4KV(contact)		FI>3V/m(in 30-1	000MHZ), EFT>	1KV,			
Voltage Withstand Ability	IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure						
Insulation Resistance	>20M $\Omega$ , with 1500V AC megger between all supply terminals connected together and enclosure						
Vibration Resistance	IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x , y and z directions for 30 min						
Shock Resistance	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each						
Mounting Bracket	RP74-A1 or RP74-A2 or RP74-A3 (please see Accessories)						
Cable	2m 6.1φ 4X0.5 5X0.5 (Emitter :3X0.5) PVC.						
Pigtail Type	See Pigtail Series or our Cables & Connectors catalogue.l						
Note: Used with RE-D82 (supplied with sensor) reflector							

Note: Used with RE-D82 (supplied with sensor) reflector.

#### **Connection Diagrams**

#### NPN/PNP

## **Connector pin position**

## (+) 10-40V DC White (NPN) Load

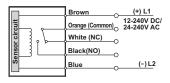
#### Euro-style

- 1.Brown (+) 2.White (NPN output)
- 3.Blue (-)

Mini-style

- 1.Brown (+) 2.White (NPN output)
- 3.Blue (-) 4.Black (PNP output)
- 4.Black (PNP output)

#### **SPDT Relay Version**



#### **Connector pin position**

# Micro-style

- 1.Red/white(L1) 2.Red (L2) 3.Green (Common) 4.Red/yellow (N.O.)
- 5.Red/black (N.C.)

#### Mini-style



- 1.Black (N.O.) 2.Blue (L2) 3.Orange (Common) 4.Brown (L1)
- 5.White (N.C.)

#### Solid State Isolated Relay

Load 12-240V DC/ 24-240V AC

(-) L2

(+) L1 12-240V DC/ 24-240V AC

(-) L2

12-240V DC/ 24-240V AC

(-) L2

(+) 10-40V

(-)

Test

#### Micro-style



1.Red/black(L2) 2.Red/white (L1) 3.Red (Output)

**Connector pin position** 

4. Green (Output)

#### Mini-style



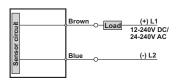
1.Brown (L1) 2.White (Output) 3.Blue (L2) 4.Black (Output)

SPST solid-state (AC/DC)

Load

OR

#### **Connector pin position**



#### Micro-style



- 1.Red/black(L2)
- 2.Red/white (L1)

**Connector pin position** 

3.Not used 4.Not used

#### Mini-style



1.Brown (L1) 3.Blue (L2) 2.Not used 4.Not used

#### **Emitter of Thru-beam Mode (AC/DC)**



- Micro-style
- 1.Red/black(L2) 2.Red/white (L1)

Connector pin position

3.Not used 4.Not used

#### Mini-style



1.Brown (L1) 3.Blue (L2) 2.Not used 4.Not used

#### Emitter of Thru-beam Mode (DC)

Black

#### Euro-style



- 1.Brown (+) 2.Not used 3.Blue (-)
- 4.Black (Test in)

#### Mini-style



1.Brown (+) 2.Not used 3.Blue (-)

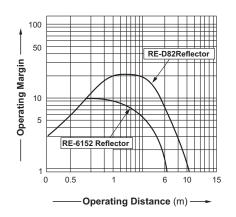
4.Black (Test in)

#### Sensing Characteristics (Typical)

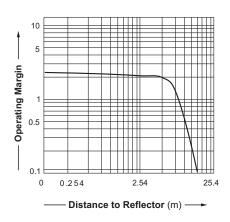
#### Retroreflective Mode Sensor (Sn=15m)

# 100 | RE-D82 Reflector | 50 | RE-6152 Reflector | 10 | 0.5 | 1 | 3 | 10 | 15 | RE-6152 Reflector | 10 | 0.5 | 1 | 3 | 10 | 15 | RE-6152 Reflector | 10 | RE-6152 Reflector

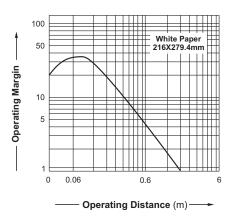
#### Polarized Retroreflective Mode (Sn=10m)



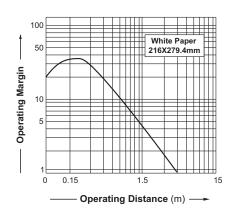
#### Clear Object Detector Mode (Sn=1.2 m)



#### Standard Diffuse Mode (Sn=1.52 m)

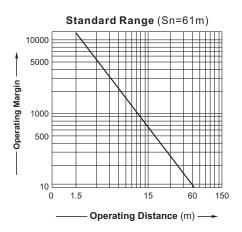


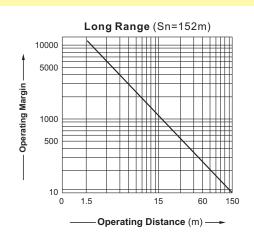
#### Long Range Diffuse Mode (Sn=3.04 m)



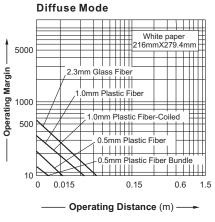
#### Sensing Characteristics (Typical)

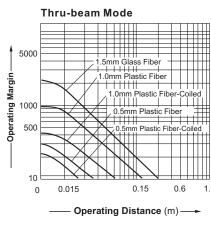
#### **Thru Beam Mode Sensor**

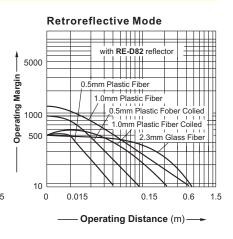




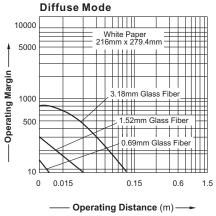
#### Visible Red Fiber Optic Sensor

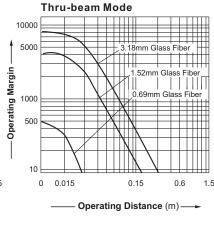


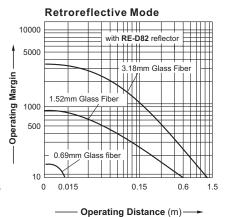




#### **Infrared Fiber Optic Sensor**

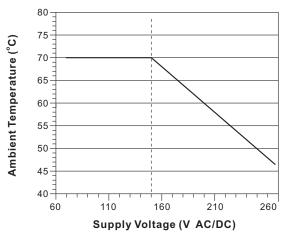






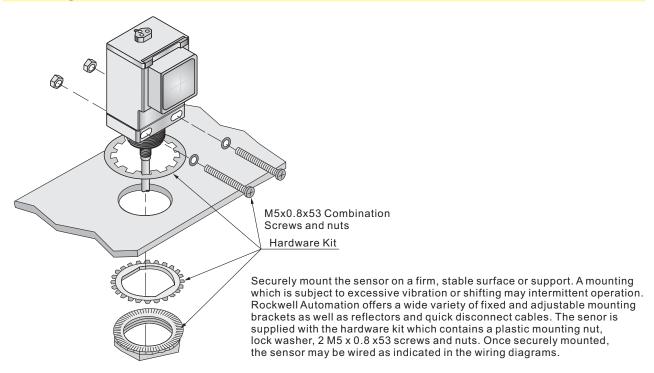
#### **Precautions for Proper Use**

#### **Ambient Temperature Ratings**



All models of the RP74 Series with the exception of those with the solid-state output and the EM-relay output have a maximum operating temperature of +70°C (+158°F). The maximum operating temperature of the solid-state output and the EM-relay output models can be determined from the graph shown above. That temperature is based on the supply voltage fed to the sensor. For example, if the operating voltage is 100VAC the maximum operating temperature would be +70°C (+158°F). An operating voltage of 220V AC would limit the ambient operating temperature to +55°C (+131°F). Operating of the sensor at ambient temperatures which exceed these limit could result in sensor failure.

#### Mounting



#### **Installing Fiber Optic Cables**

- 1. Ensure that the fiber optic cable locking clip on the sensor is in the UNLOCK position.
- 2. Insert the fiber optic cable.
- 3. Insert the clip until the locking lever to the **LOCK** position







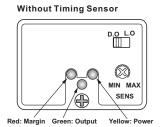
2. Insert fibers.

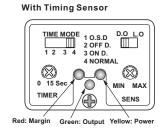


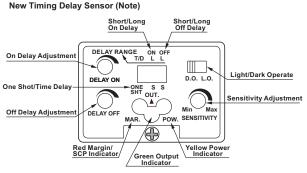
3. Insert the clip to LOCK position.

#### **Panel Chart & New Timing Chart**

#### **Sensor's Top View Detail**

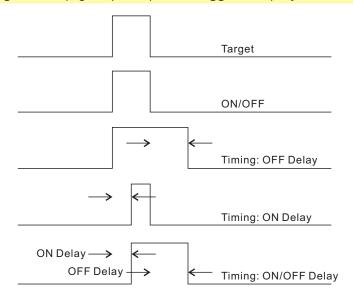




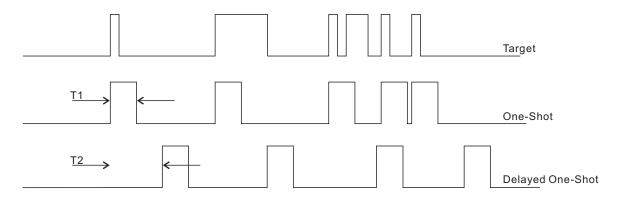


**Note:** These timers are nonretriggerable. The timing can be set for short (0-1.5 sec) or long (0-15sec) duration using the DIP switches and adjusted via the two 15-turn rotary knobs. Use the illustration below to aid in configuring these timers.

#### Typical ON/OFF Timing Diffuse (Light Operate) Nonretriggerable (only for new timing delay sensor)



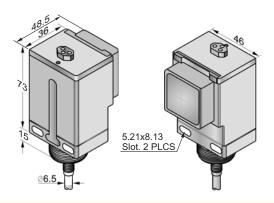
#### Typical ON/OFF Timing Diffuse (Light Operate) Nonretriggerable (only for new timing delay sensor)



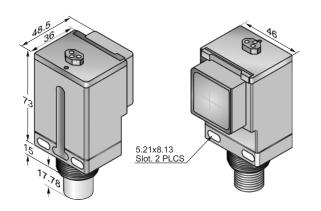
T1 is adjusted via the **OFF** delay potentiometer with either a long(0-15sec) or short (0-1.5sec) dip switch setting. T2 is adjusted via the **ON** delay potentiometer with either a long(0-15sec) or short (0-1.5sec) dip switch setting.

#### **Dimensions** (Unit: mm)

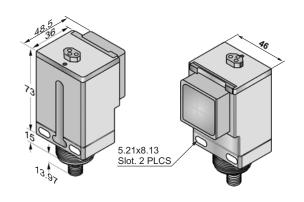
#### **Cable Type**



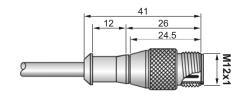
#### Mini-style Connector Type



#### **Euro or Micro Style Connector Type**



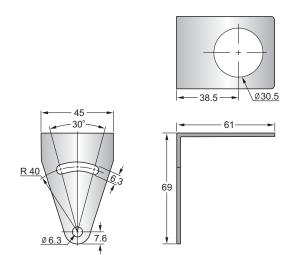
#### Pig tail\* Type



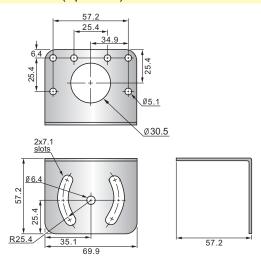
\*: Please see **Pigtail Series** or our **Cables & Connectors** catalogue for more information.

#### **Mounting Bracket**

#### MB-6961 (optional)

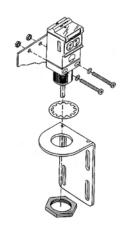


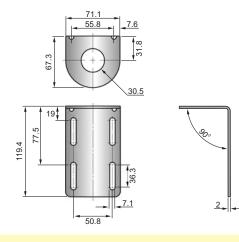
#### MB-7057 (optional)



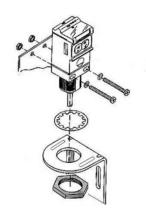
#### **Dimensions** (Unit: mm)

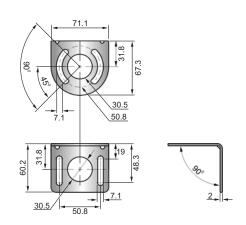
#### MB-71120 (optional)



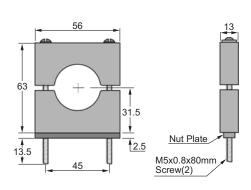


#### MB-7160 (optional)



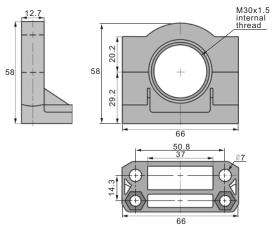


#### MB-6356 (optional)



30mm split clamp bracket

#### MB-6658 (optional)



Mounting Bracket to Provide 360° Rotation

## **MEMO**

