

D2RF-2TAN D2RF-2TAP

Instruction Manual

Carefully read and understand the safety precautions before operation.

The important information is provided to protect your health and property.

Do not apply any other installing or operating procedure other than that described in this manual.

Safety Precautions



- AUTION It is dangerous to wire or attach/remove the connector with the power on. Make sure to turn off the power before operation.
 - before operation.

 Make sure to use the product with the protective cover attached and closed.

 Installing in the following places may result in mediancity.

 - malfunction:

 1. A dasty or steamy place
 2. A place generating corrosive gas
 3. A place directly receiving scattering water or oil.
 4. A place suffered from heavy vibration or impact.
 The product is not designed for outdoor use.
 Do not use the sensor in transient state after power on
 - ◆ Do not use use sames and uniform (approx. 100 ms).

 Do not wire with the high voltage cable or the power line. Failure to do this will cause malfunction by induction or
 - damage.

 The sensor performance or digital display values may depend on the individual units or the condition of detected product.

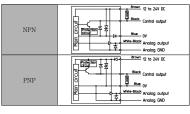
 - Do not use the product in water.

 - shock.

 Operate within the rated range.

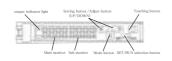
This product cannot be used as a safety device to protect human body.

Input/Output Schematic



Model		Analog Output
Cable type	Standard	D2RF-TA (N/P)
	IP66	D2RF-2TA (N/P)
Power source, voltage		12-24V DC ±10%including a ripple
Consumption current		45mA or less / 24V (When not using analog output.)
Response time		60μs/250μs/2ms (Fast/Standard/Long)
Control output		NPN / PNP Open collector 100mA / 30V or less Load current : 100mA or less Residual voltage : 1.8V or less
Output method		Light on / Dark on Switching type in the function
Short-circuit protection		Incorporated
Light source		Red LED
Indicator light / Display		Orange(output) / 7 segment 8 digit display
Sensitivity setting		Teaching / Manual adjustment
Timer function		OFF, On delay timer, Off delay timer, One-shot timer
Timer time		lms-9s
Analog output		Analog output : 4-20mA
Operating temperature/humidity		-25 ~ +55℃ /35 ~ 85%RH (No freezing and No condensation)
Store temperature/ humidity		-40 ∼ +70°C /35 ∼ 85%RH (No freezing and No condensation)
Shock resistance		$10 \sim 55 \text{Hz}$ Amplitude 1.5mm 2 hours for each direction of X,Y and Z
Protective category		IP50 / IP66
Material		PPE : Case , PC : Cover, Case (IP66)
Weight (Including cordes)		70g

Each Part



Setting Amplifier

Attaching and Removing to/from DIN rail

- Attachment of Amplifier Unit
 Hook the claw on the connecting side of fiber cable
 to the DIN rail. Then press down the hook until it
 locks.

■How to connect the fiber cables



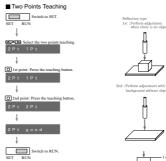
■How to use Fine fiber



1 P t 1Pt good SET RUN One Point Teaching SWITCH TO SET 1Pt good Switch to RUN

Adjustment

Setting Maximum Sensitivity





■ Auto Teaching

Switch to SET

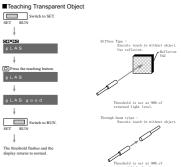












Manual Adjustment
Pressing the UP/DOWN butto
is possible. Adjust to any value

Setting Upper Limit (Near)

atically returns to the normal display 5 so stically returns the display to

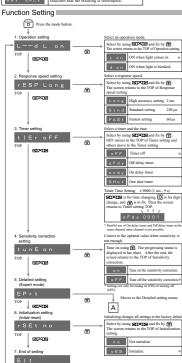
normal as well.

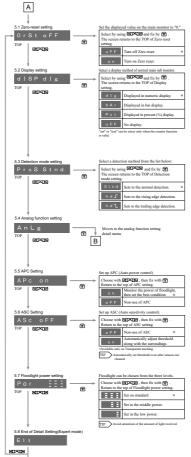
Error Display in Teaching

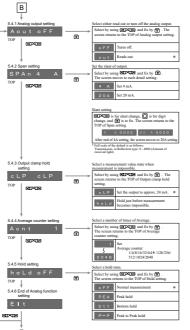
Teaching

Teaching adjustment.

Refer to the table below for readjustment.		
Err1	Indicates shortage of light intensity or no difference of light intensity.	
Err2	Indicates a sampling error in teaching of a moving object.	
Err3	Indicates a calculation error.	
not cPLt	Indicates that the teaching is interrupted.	







■Precautions for Function Setting

* means factory default setting
 Unavailable settings are not indicated automatically.
These are not any troubles and failures.

■Returning to Normal Display with One Button

Pressing the D button for 2 seconds or more in setting each function enables to return to the normal display (RUN mode) without using Eit (Exit).

* Invalid while setting the timer time.

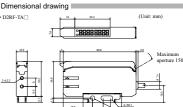
Hold down the DTD buttons for 2 seconds or more simultantin the same way to cancel as well.

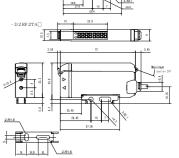
In locking When cancelled U L o c 300

■Reset "Peak/ Bottom hold"

SET PIN Confirm the position of "SET/RUN" switch is snapped to "RUN" side. Move the position to "SET" side and return to "Run" side again.

■APC (Auto Power Control)





Options



- Specifications and equipment are subject to cha without any obligations on the part of manufact
 For more information, questions and comments regarding products, please contact us below.

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