INSTRUCTION MANUAL

UNI-DIRECTIONAL TRANSMISSION UNIT | model **ECT/ECR**

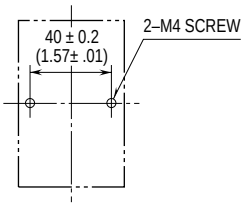
Thank you for choosing us. Before use, check specifications on the unit label.
If you have any problems or questions with the product, please contact our sales office or representatives.

General Description

• Uni-directional transmission system for 32-point contact signals
• Contact signal input at the ECT unit is transmitted via twisted-pair cable or fiber optics, and output at the ECR unit
• One-chip CPU with self-diagnosis functions
• RUN output

Installation [Scale: mm (inch)]

• Operating temperature: -5 to +55°C (23 to 131°F)
• Operating humidity: 30 to 90% RH (non-condensing)
Keep away from water, corrosive gas, dust and vibration. Wall or DIN rail mounting available.

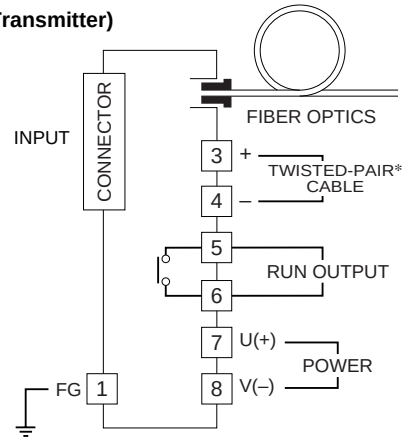


When mounting, no extra space is needed between units.

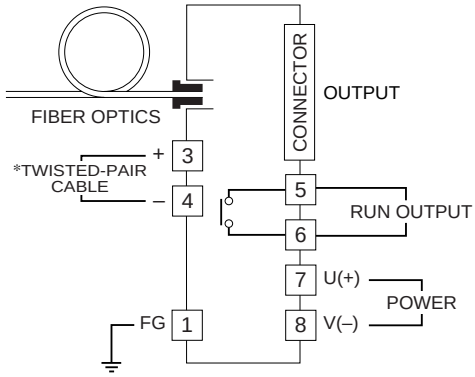
Terminal Connection

Make wiring to terminals as shown in the figure below. Use the socket provided with the module.

■ECT (Transmitter)



■ECR (Receiver)



*Do not use the terminals 3 – 4 for fiber optics type.

Connector Pin Assignment

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
A 1	ch. 1	B 1	ch. 17
A 2	ch. 2	B 2	ch. 18
A 3	ch. 3	B 3	ch. 19
A 4	ch. 4	B 4	ch. 20
A 5	ch. 5	B 5	ch. 21
A 6	ch. 6	B 6	ch. 22
A 7	ch. 7	B 7	ch. 23
A 8	ch. 8	B 8	ch. 24
A 9	ch. 9	B 9	ch. 25
A 10	ch. 10	B 10	ch. 26
A 11	ch. 11	B 11	ch. 27
A 12	ch. 12	B 12	ch. 28
A 13	ch. 13	B 13	ch. 29
A 14	ch. 14	B 14	ch. 30
A 15	ch. 15	B 15	ch. 31
A 16	ch. 16	B 16	ch. 32

A 17 to A 19 are common negative.
B 17 to B 19 are common negative.

Checking

When output is irregular, check the following points:
A) Terminal wiring
B) Power wiring and polarity: Check voltage across the terminal 7 – 8.
C) Input at the ECT: Measure on an oscilloscope across each of A1 through A16 and COM and across each of B1 through B16 and COM.
D) Output at the ECR: Check the output load is within 40V DC @100mA.

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