



**FR-2152T**

## FR-2152T

8-channel isolated digital input with 12-pin screw terminal connector

### Functional description

The FR-2152T/FR-2152TA has 8-channel isolated photo-coupler input and the transfer speed is fixed at 1M bps. The default signal connector of FR-2152T/FR-2152TA is a 12-pin 0.15" screw terminal connector. FR-2152T and 2152TA each apply respectively to NPN-type and PNP-type discrete output modules.

According to different applications, the users can choose suitable modules. The FR-2100 I/O module has a FRNet interface. The users can daisy chain several FR-2100 modules together. Via FRNet, the FR-2100 modules can extend the discrete I/O control of PC and PAC easily. For further information about the networking of FR-2100 series; please refer to literature related to I-7188EF, I-8172, FRB-200.

### Features

- Built-in Wire-saving FRnet DI/DO control
- High-speed transmission reliability
- Simple synchronization mechanism
- No software overhead on protocol processing
- Supporting broadcasting (1:n data transmission)
- Duplicating output easily
- Fixed I/O scan-time and I/O synchronization
- DIN-Rail mountable

### Applications

- Industrial Automation
- Remote I/O control
- Wire-saving application
- Built-in Wire-saving FRnet DI/DO control

### Specifications

6P4C RJ-11 modular connector with Cat.3 cable (2P twisted-pair cable) for easy wiring( When different cables are used, the transmission distance may change).

Power consumption	2.0 W (Max.)
Power requirement	12-24 V DC
Operating temperature	-25°C to +65 °C
Operating humidity	10% ~ 95% RH, non-condensing
Storage temperature	-30°C to +85°C
Storage humidity	5% ~ 95% RH, non-condensing
Weight	approximately 120g
Dimensions	99 mm x 32 mm x 83 mm
Input Isolation	1 KVdc
Input Impedance	4.7 K Ohm
Input points	8 channels
Input Voltage range	Logic H: 10~24 V Logic L: 0~3 V
Response Time	Turn-On delay time: less than 0.15 ms Turn-Off delay time: less than 0.05 ms
Transmission	Transfer speed:1 M bps Cyclic scan time:0.72 ms Transfer distance:Max. 100 m

### Ordering Information

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