

Addressable Input Output Module with Isolator

HYU-FA-IOM001-1



Key Features

- Single voltage-free relay output
- Single input for connection to dry contact inputs
- Monitors and signals three distinct input states
 - Normal
 - Alarm
 - Open-circuit
- Polling indicator shows quiescent operation
- Separate indicators for Quiescent, Alarm and Fault conditions
- Integral isolator model available
- DC 24 V operation
- Easy installation with simple address setting DIP switches
- Convenient 2-wire connection
- Available with 125 usable address settings per loop

Specifications

Model	HYU-FA-IOM001-1
Power	
Operating voltage	DC (17~30) V
Start-up current	≤ 1.5 mA
Input voltage (pulsed)	DC (5~9) V
Quiescent Condition	
Quiescent condition input resistance	(8k2 ~ 47k) Ω
Quiescent current with 22 k Ω EOL fitted	≤ 700 μ A
Sampling time	1s
Polling indicator	Flashing green
Input Alarm	
Alarm condition input resistance	(2k2 ~ 8k2) Ω
Alarm current	2mA
Alarm indicator	Red
Output	
Output relay type	SPDT. 2A@DC 30V / 0.5A@AC125V
Output relay wetting current	10 μ A @ DC 10 mV
Output relay active indicator	Red
Output relay active current	2mA
Fault Condition	
Input short-circuit Fault condition resistance	$\leq 2k2$ Ω
Input open-circuit Fault condition resistance	$\geq 47k$ Ω
Isolator	
Switching current (max)	1.0A
Switching resistance (max)	0.3 Ω
Isolator indicator	Yellow
Environment	
Operating temperature	(-10 ~ +50) $^{\circ}$ C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) $^{\circ}$ C
Storage humidity	(0 ~ 98) % RH, non-condensing
Miscellaneous	
Number of inputs	1
Number of outputs	1
Usable addresses per alarm loop	125ST 250XP
Terminal wiring	0.4 ~ 2.5mm ²
Dimensions	95x95x42mm
Ingress protection rating	IP-54