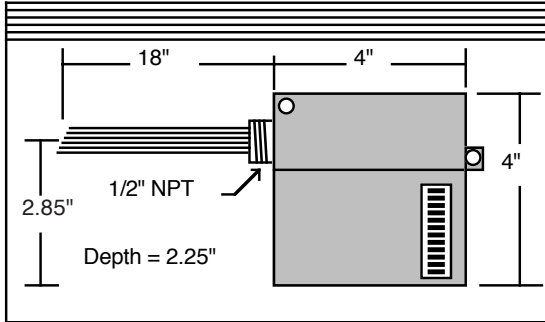


FUNCTIONAL DEVICES, INC

POWER-LINE CARRIER



MODEL RA

RESPONDER (2-WAY)



DESCRIPTION

RAs are a remote component in the PLC link between the controller and the load being controlled or the dry-contact input being sensed. The relay internal to the Responder carries out the digital-out commands given by the controller and the Responder sends digital information back (the status of an external contact) to the controller using the existing ac wires or a dedicated twisted pair as the communication path. They can be programmed by setting the positions of switches to assume a unique digital code or identity (ID).

FEATURES

- Uses existing ac wires or a separate dedicated twisted pair for the communication
- Field-programmable DIP switch:
 - 512 IDs
 - Manual "OVERRIDE/ON" switch
 - Communication-loss "TAKE-ACTION" switch
 - "STARTUP-CONDITION" switch
- Excellent diagnostics
- Easy to install
- Internal relay provides digital output
- Accepts switch contact as digital in
- Built-in microprocessor with fail-safe circuit
- 120 through 600 Vac power input

OPTIONS

RA41C/A	120-600 Vac Power input *	Pilot Relay
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* Power input is 120 to 600 Vac. Signal input is as shown on page 7. See note ② on page 7. All Responders connected to case L of page 4 must have green wire connected to equipment ground at the location of the Responder.

Timed manual override-on (1/2, 1 or 2 hours) is available on RA Responders. In ordering, follow model number by M and the override-on time desired. Initiate override-on by connecting grey / red wire to green wire.

