

DEFINE-SENTRY-R2A Cut Sheet



Define Instruments signal conditioner, isolated, Input: 1-channel, current/voltage/RTD/thermocouple/thermistor/pulse/frequency/potentiometer, Output: 3-channel, current/voltage/relay, 24–250 VAC / 19.5–250 VDC operating voltage, IP20, 35mm DIN rail mount.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/DEFINE-SENTRY-R2A>

Technical Specifications

Brand	Define Instruments
Item	Signal conditioner
Isolation	Isolated
Field Configurable	Yes
Number Of Input Channels	1
Input	Current/voltage/RTD/thermocouple/thermistor/pulse/frequency/potentiometer
Input Current Signal Range	0–20 mA and 4–20 mA
Input Frequency Signal Range	0–2 kHz
Input Potentiometer Signal Range	0–20k ohm
Input RTD Signal Types	Pt100 and Pt1000
Input Thermocouple Signal Type	J, K, N, T, E, R, S, B
Input Voltage Signal Range	±200 mVDC, -200 mVDC-1 VDC, ±10 VDC, 0–10 VDC, -10 to +30 VDC and 0–300 VDC
Programmable Temperature Range	Deg F or °C

Number Of Output Channels	3
Output	Current/voltage/relay
Output Current Signal Range	0–20 mA and 4–20 mA
Output Voltage Signal Range	0–10 VDC
Relay Configuration	(1) Form C (SPDT) relay, (1) Form A (SPST) relay
Load Current	Form C 240 VAC/28 VDC 10A maximum/ Form A 240 VAC/28 VDC 3A maximum
Operating Voltage	24–250 VAC / 19.5–250 VDC
Housing Material	Plastic
IP Rating	IP20
Mounting	35mm DIN rail
Electrical Connection	Screw terminals
Requires	DEFINE-BRIDGE-KEY fob USB adapter and DEFINE-TOOLBOX-SW configuration software

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document
Other	RoHS Statement

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/DEFINE-SENTRY-R2A.pdf>
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