

# DEFINE-SENTRY-R2 Cut Sheet



Define Instruments signal conditioner, isolated, Input: 1-channel, current/voltage/RTD/thermocouple/thermistor/pulse/frequency/potentiometer, Output: 2-channel, 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-R2>

## Technical Specifications

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

<b>Programmable Temperature Range</b>	Deg F or °C
<b>Number Of Output Channels</b>	2
<b>Output</b>	Relay
<b>Relay Configuration</b>	(1) Form C (SPDT) relay, (1) Form A (SPST) relay
<b>Load Current</b>	Form C 240 VAC/28 VDC 10A maximum/ Form A 240 VAC/28 VDC 3A maximum
<b>Operating Voltage</b>	24–250 VAC / 19.5–250 VDC
<b>Housing Material</b>	Plastic
<b>IP Rating</b>	IP20
<b>Mounting</b>	35mm DIN rail
<b>Electrical Connection</b>	Screw terminals
<b>Requires</b>	DEFINE-BRIDGE-KEY fob USB adapter and DEFINE-TOOLBOX-SW configuration software

## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>
<b>Other</b>	<a href="#">RoHS Statement</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/DEFINE-SENTRY-R2.pdf>  
See store item page for other formats.