ADVANT S200 200-IR8

Product Data Sheet

S200-IR8

Eight Channel RTD Input Module

RTD INPUT ALLOCATION	INPUT CONVERSION RESOLUTION	RESISTANCE MEASUREMENT RANGE	INPUT OVERVOLTAGE TOLERANCE
8 channels, 3-wire	**16 bit**	**1 to 433 ohm**	**±35 V DC or 25 V AC continuous at 25 deg C; 250 V peak**

ABB S200-IR8 is the 200-IR8 eight-channel RTD input module for Advant S200 I/O. It acquires resistance and supported temperature-sensor signals for a compatible process-control station.

01 VERIFIED TECHNICAL DATA

RTD input allocation	8 channels, 3-wire
Input conversion resolution	16 bit
Resistance measurement range	1 to 433 ohm
Input overvoltage tolerance	±35 V DC or 25 V AC continuous at 25 deg C; 250 V peak
RTD excitation current	718 microA
Open-wire detection time	1 s typical
Input offset temperature drift	1.5 mohm/deg C maximum
Gain temperature drift	20 ppm/deg C normal; 10 ppm/deg C enhanced
External supply range	19.2 to 31.2 V DC
Supply current	60 mA at 24 V DC

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Maximum power dissipation	3 W at 31.2 V DC
Operating temperature	0 to 55 deg C
Storage temperature	-40 to 85 deg C
Operating relative humidity	5 to 95%, non-condensing
Supported sensor resistances	Pt 100/200/500; Ni 100/120/200/500; Cu 10 ohm

03 DOCUMENTED USE SETTINGS

Chemical Manufacturing and Continuous Process Production: Industrial Chemical Process Control.

Pulp Processing and Paper Production: Pulp Preparation and Processing.

Food Processing and Beverage Production: Food Processing and Production.

04 SYSTEM COMPATIBILITY

Match S200-IR8 to the installed Advant S200 200-IR8 hardware and project. Confirm the connector layout, supplied revision and required companion parts before selecting this eight channel rtd input module.

05 PRODUCT EVIDENCE

ABB S200 I/O Hardware, 3BSE021356-600 A, RTD Input Unit 200-IR8

AMIKON PRODUCT SUPPORT

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