Modular intelligent weather station

Characteristics

- VARIOUS SENSOR - MODULAR INTELLIGENT WEATHER STATION - PRECIPITATION

MD-IW

	R -	Precipitation:	Optoelectronic
		Air pressure:	MS5534A
	-	Air temperature:	Pt100, 2-wire, class A
	-	Air humidity (optionally):	Transmicor 6000
0	-	Rail temperature:	420 mA
	-	Heating:	2-point control for measuring head
	-	 Supply voltage: 	24 VDC
	-	Defrosting:	Down to max30 °C
• •	-	Interface:	RS485 Modbus RTU, galvanically insulated
O O	-	Enclosure:	Diecast aluminium, powder coated, silver-grey
ERCAND.	-	Protection:	IP 65
	-	· Optionally:	Fixing device

Technical data

Input Recognition of precipitation: Optoelectronic Air pressure: MS5534A Air temperature: Pt100, 2-wire, class A Air humidity (optionally): Transmicor 6000 Rail temperature: 4...20 mA Output 250 VAC / 2A Relay: 1 changeover contact: RS485 Modbus RTU, galvanically insulated Interface: Analog: Air temperature, Air humidity, air pressure, intensity of precipitation Options: 0...10 V / 0...20 mA / 4...20 mA **Power supply** Supply voltage: 24 V AC/DC +/- 10 % Full load current: Approx. 2,5 A Heating 2-point control for precipitation measuring head Controller: Supply voltage: 24 VDC 50 W Power: Down to -30 °C Maximum defrosting: **Ambient conditions** -30 °C ... +60 °C Operating temperature: Storing temperature: -40 °C ... +80 °C **Mechanics** Enclosure: 160 x 240 x 102 mm Material of enclosure: Diecast aluminium Color: Powder coated, silver-grey Degree of protection: IP 65 Connection: Spring finger connector up to 2,5 mm² via cable entry 1 x PG21 / 2 x M20x1,5 Weight: Approx. 4,6 kg

Applications

Developed for use in traffic engineering, the MD-IWS supplies control systems / automation controls for heating systems (bridges, switch points, streets) with safe data . The detection of precipitation in connection with Air humidity, -temperature and -pressure is trouble-free possible in wintry conditions.







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Principle of operation







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MD-IWS

Electrical connection

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Order code		Μ	W	X	X	X	X	X	X	-	X	Χ	Χ
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Model:	MD-IWS with humidity sensor*			0									
	MD-IWS without humidity sensor			1									
Output serial:	RS485 Modbus RTU (galvanically insulate	d)			0								
Output relay:	Heating "On"					0]						
Analog output:	Without						0						
	With (please indicate)						1						
Supply voltage:	24 V AC/DC							0					
Display:	Without								0				
Other/Accessories:	Special model (on request)												0
	Fixing device												1

*Options see technical data or price list