

GSM Supervisor for HI 142 Series



HI 503903 is an intelligent interface between up to 31 HI 142 temperature dataloggers connected through an RS485 port and a GSM cellular phone or a local or remote computer with the HI 92140 HANNA instruments® software. HI 504903 can acquire from each HI 142 information about active alarms, errors, current status and real time temperature values.

HI 50903 is also provided with one digital input (typically an alarm relay) from "non-intelligent" instruments with only an alarm relay contact or another digital output signal.

Moreover, the interface features one digital output and an input for enabling/disabling the SMS sending function.

LED lights indicate error conditions, active alarms, signal coverage for the cellular module, digital output and cellular module status.

HI 504903 can be completely configured through the HI 504903SW software provided with the instrument.

Other important characteristics of the interface are the real time clock, self-diagnostic capabilities and internal backup battery which provides power supply and cause an alarm SMS sending in case of mains power failure.



Specifications

HI 504903	
Max Output Power	2 W for EGSM900; 1 W for GSM1800/1900
SIM Interface	3V SIM card
Antenna	dual band (900/1800/1900 MHz)
Digital Input Channel	supporting mechanical relays or open-collector outputs
Digital Output Channel	open-collector output, 5 mA/30V max.
Installation Category	I
Power Supply	12 Vdc adapter (included) and internal rechargeable backup battery (12 V/0.8 Ah)
RS485 Channel	for connection of all instruments with RS485 in the same bus;
Towards Instruments	baud rate up to 9600
RS232 Auxiliary Port	for PC connection
Environment	0 to 50°C (32 to 122°F); RH max 85% non-condensing
Enclosure	ABS case, IP54
Dimensions / Weight	240 x 200 x 98 mm (9.4 x 7.9 x 3.9") / approx. 1.4 kg (3.1 lb)

Accessories

HI 710005	115 Vac/12 Vdc power adapter	HI 920010	Serial cable for PC connection
HI 710006	230 Vac/12 Vdc power adapter	HI 92140	Windows® compatible software

Ordering Information

HI 504903-1 (900/1900 MHz GSM supervisor) is supplied complete with 115 Vac/12 Vdc power adapter, HI 504903SW configuration software and instructions.

HI 504903-2 (900/1800 MHz GSM supervisor) is supplied complete with 230 Vac/12 Vdc power adapter, HI 504903SW configuration software and instructions.