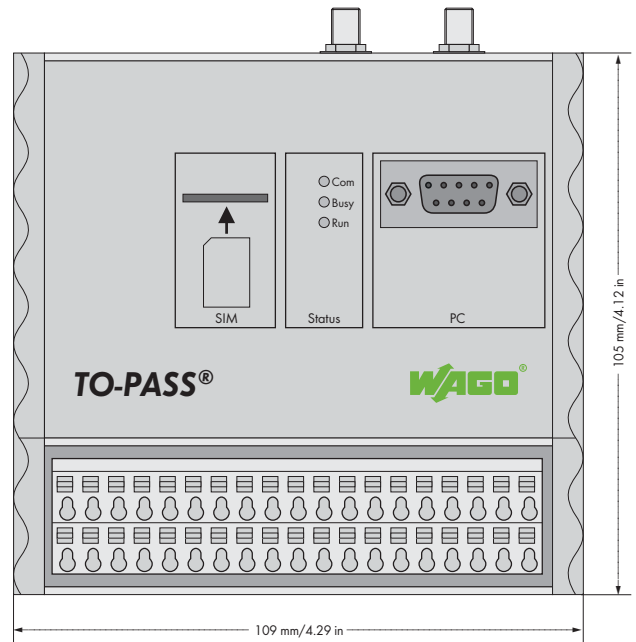


TO-PASS® Mobile, 4 AI

Telecontrol module for fault detection/indication, position monitoring and remote control



Universal telecontrol module for fault detection/indication and position monitoring of machines and products over a GSM network. The module can be used in many countries via an integrated quad-band GSM modem. Messages are sent via SMS, e-mail, fax or phone call. The data memory stores up to 4096 process images in an adjustable cycle time. Switching of outputs is performed via SMS.

The module is equipped with 4 digital inputs, 4 analog inputs, 2 digital outputs and GPS position data, including an integrated GSM modem. Ideal for applications in distributed stations for temperatures ranging from -20 °C to +70 °C. Ability to mount on DIN-rail and intuitive user software make unit easy to handle. Operating voltage +10V ... +30V DC.

Special functions:

- Acknowledgment: Acknowledging any fault message
- Stand-by: Automatic remote switching of the stand-by service
- Remote parameterization: Programming and remote control conveniently performed from the office
- Event logger: Saves all occurring status changes
- Data logger: Saves all process values with adjustable cycle

Description	Item No.	Pack. Unit
TO-PASS® Mobile, 4 AI	761-314	1
Accessories		
Antennas, USB adapter and power supply units	see pages 576 ... 577	
TO-PASS® Configuration Software	see Section 1	
Approvals		
Approvals	for all EU countries	
	Approvals for other countries on request	
Technical Data		
Operating temperature	-20 °C ... +70 °C	
Type of mounting	DIN 35 rail	
Antenna connection	SMA socket (for both GSM and GPS)	
Wire connection	Terminal strips (WAGO 250 Series) with push-wire connection	
Cross sections	0.5 mm ² ... 1.5 mm ² / AWG 22 ... 14	
Strip lengths	9 mm /0.35 in	
Dimensions (mm) W x H x L	109 x 78 x 105	
Weight	412 g	
Storage temperature	-40 °C ... +85 °C	
Degree of protection	IP20	
EMC immunity of interference	acc. to EN 61000-6-2	
EMC emission of interference	acc. to EN 61000-6-3	

Technical Data	
Digital inputs:	
Number of inputs	4 (Type 3)
Input current	max. 2.9 mA at 30 V DC
Signal voltage (0)	0 V ... 5 V DC
Signal voltage (1)	7 V ... 30 V DC
Analog inputs:	
Number of inputs	4 (0/4 mA ... 20 mA)
Internal resistance	approx. 200 Ω / 20 mA
Measuring error (25 °C)	< ± 1 % of the full scale value
Temperature coefficient	< ± 0.1 % / K of the full scale value
Digital outputs:	
No. of outputs	2 contacts
Output current (max.)	0.5 A/ 30 V DC, short-circuit protected
Communication	GSM quad-band
Communication types	SMS (bidirectional), telecommunication dial-up connection (CSD)
Signaling	3 LEDs for operating status indication
Operating voltage	+10 V ... +30 V DC
Closed current	approx. 35 mA at +24V operating voltage
Current during transmission	< 500 mA at +24V operating voltage