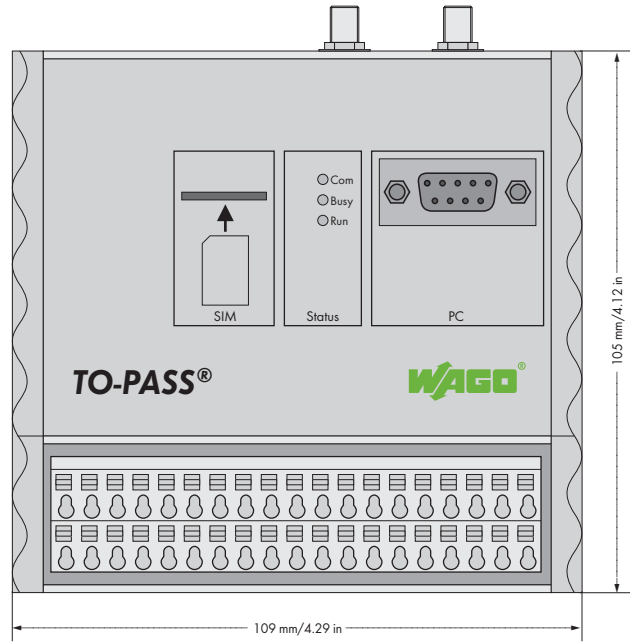


**TO-PASS® Mobile, 4 AI, Web, MODBUS**

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



Universal telecontrol module for fault detection/indication, position monitoring and Internet connectivity of machines/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. In addition, the process image and GPS position data can be transmitted in an adjustable cycle to a user-selected Internet address. A MODBUS slave (e.g., 750-816) can be connected via RS-232 interface to link additional process values. 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 process visualization conveniently performed from the office
- GPRS-dedicated line: Permanent online connection to the process on a WEB server or PC with fixed IP address (e.g., DSL connection)
- 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, Web, MODBUS	761-316	1
<b>Accessories</b>		
Antennas, USB adapter and power supply units	see pages 576 ... 577	
TO-PASS® Configuration Software	see Section 1	
TO-PASS® Web Portal	see Section 1	
<b>Approvals</b>		
Approvals	for all EU countries	
	Approvals for other countries on request	
<b>Technical Data</b>		
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 <sup>2</sup> ... 1.5 mm <sup>2</sup> / 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	
<b>Digital inputs:</b>	
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
<b>Analog inputs:</b>	
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
<b>Digital outputs:</b>	
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), GPRS connection to Internet
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