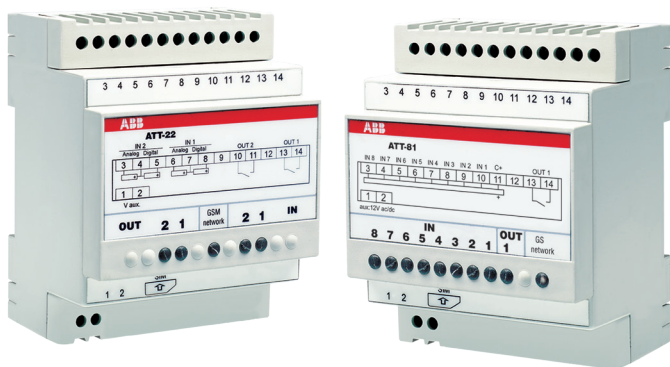




GSM ATT Modules

Simply effective remote control

To control electrical loads via mobile phone



Remote management of electrical devices is an increasingly widespread requirement in residential and commercial sector. At the same time, remote control and command of loads are essential functions in many industrial processes, in particular unsupervised ones. ABB new ATT, GSM modules, meet any installation requirements in all application environments, ensuring the remote monitoring of inputs and outputs via mobile phones. Specifically, the ATT-22 version consists of a control module with two outputs and two inputs for residential, commercial and industrial installations, while the ATT-81 alarm module, with eight inputs and one output, is suitable for monitoring alarms and status in commercial and industrial systems. Information about the status of inputs and outputs is

The benefits

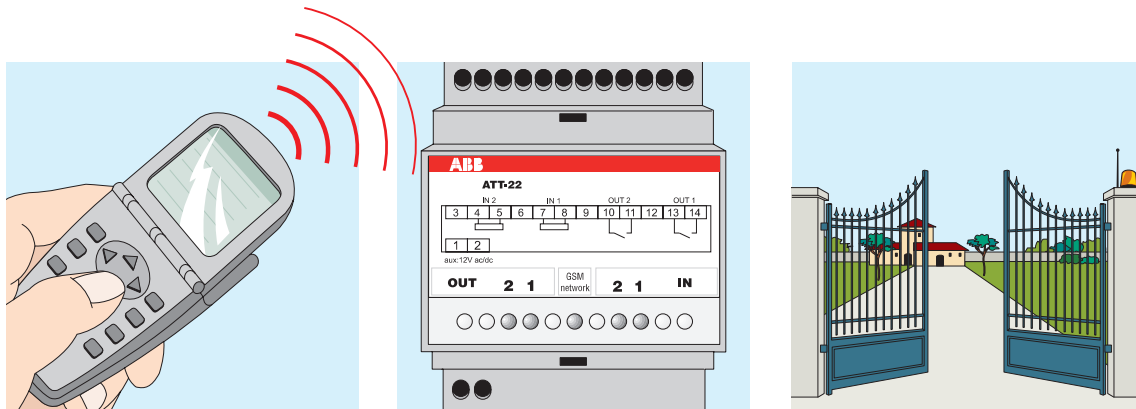
- **EFFECTIVE:** It troubleshoots and prevents malfunctioning of electrical systems
- **REACTIVE:** Real-time information on the status of monitored electrical devices
- **INTELLIGENT:** Advanced programming via SMS or software
- **COMPLETE:** The package includes rechargeable battery, software, manuals and PC cable
- **COMPACT:** Only 4 modules
- **UNIVERSAL:** Compatible with the SIM cards of all GSM carriers
- **SIMPLE:** Immediate installation, easy to use and user-friendly programming

transmitted via SMS, free phone call rings or by sending a fax or an e-mail, depending on the device settings.

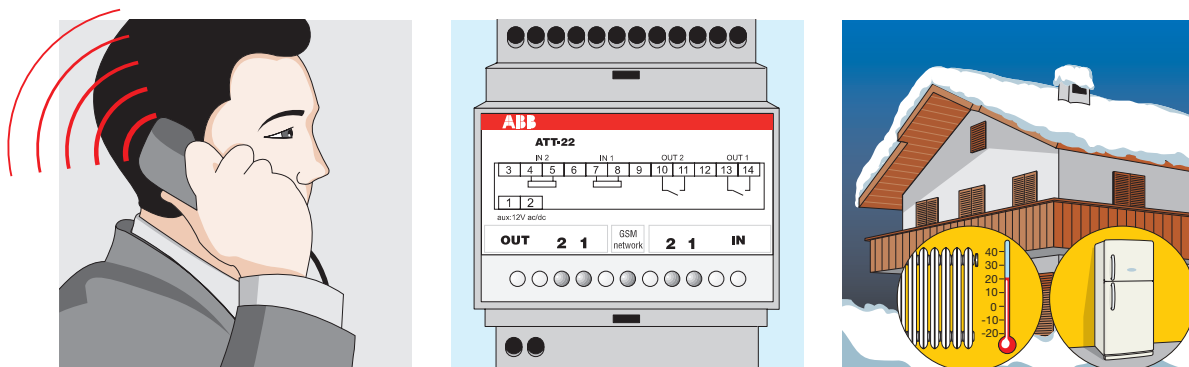


Outputs control

In the ATT-22 version, outputs can be controlled by sending an SMS from your mobile phone; in particular, output activation/deactivation can be set as pulse, timed or step-by-step. Authorized users can control an ATT output also through free phone call rings, thus saving the cost of an SMS. The device can be set to send an SMS or a confirmation ring.



No more keys, remote controls or cards! ATT controls the opening of gates and other types of barriers through a free ring from the authorized users' mobile or landline phone, and this makes it particularly suitable for installation in hotels and apartment hotels, resorts, condominiums, etc.



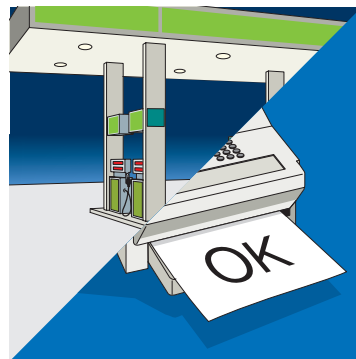
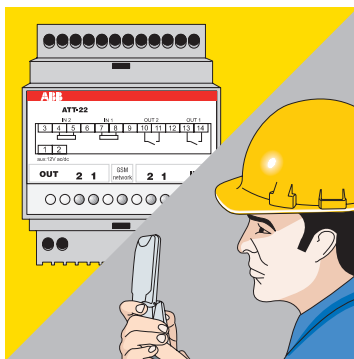
Managing holiday homes has never been easier or more practical! By sending ATT a free ring or an SMS from you mobile phone, you can switch on the heating system a few hours before your arrival or try to reset household appliances in case of a power failure.



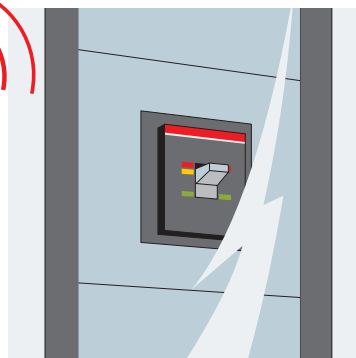
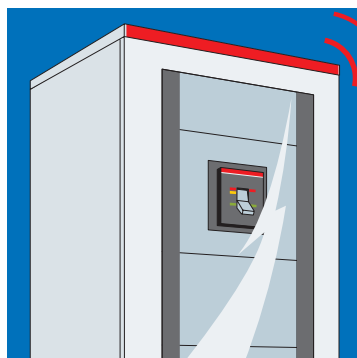
ATT guarantees road safety! In case of failure or black-out of public lighting systems, ATT promptly informs the maintenance service and reactivates lighting by switching to an auxiliary line, until the service technicians' arrival.

Inputs control

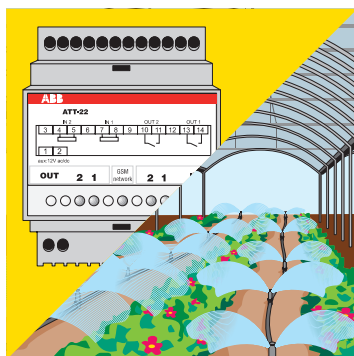
ATT-81 sends user-defined messages via SMS, fax, e-mail or free phone rings. Moreover, it can provide detailed reports on input status and notify each opening, closing, power failure and power reset event.



Failures are communicated in real time! ATT detects any technical failures of the controlled loads by sending an SMS or fax directly to the maintenance company. A second notice informs the system manager that the electrical load now functions properly. ATT is the ideal solution for real-time management of industrial installations and machines, boilers, lifts, freezers and refrigerated displays, vending machines and filling stations, and in any applications where performance is closely related to operational continuity.



In case of power supply interruptions at unsupervised plants, ATT sends an alert to the list of authorized users, triggering at the same time the motor operating device which recloses the circuit breaker and restores power supply.



ATT keeps the conditions of greenhouses and nursery gardens under control! With ATT you can prevent water waste and you can continuously control the irrigation of crops. Through the analogue inputs, ATT-22 can detect soil moisture content, activating irrigation when the sensor records an insufficient moisture level. Maintenance operators can therefore control moisture content via an SMS, considering any actions to be taken.



Prompt actions in case of danger! In isolated or unguarded buildings, alarm sirens are not enough to ensure immediate reporting and actions in case of emergency. With ATT home owners can receive an emergency alert wherever they are: in case of fire, for instance, they can call the fire brigade and emergency medical services.



FAQ

Will I incur any costs for using ATT?

By using free phone rings you do not have to pay for the SMS for controlling an output. Notifications of the successful switching of the relay can be sent through free phone rings. The use of rings is particularly effective if ATT is not installed on the national territory, or in all those cases where SMS messages are subject to unfavorable economic conditions or rates.

Can I use ATT also abroad or from abroad?

ATT can be installed and used in any country where a GSM network is present. ATT can send and receive SMS and free rings in any dual-band network.

How can I be sure that the output relay switching has been successful?

You can set the "Feedback" option that notifies the successful relay switching. The message can be sent via SMS, fax, e-mail or free ring to any set receiver.

How can I know the status of the ATT inputs and outputs after a period of non-use?

You can query ATT on the existing configuration and receive the updated status of inputs and outputs via an SMS.

Can ATT function in case of a blackout?

Yes. The module has a built-in 9 V rechargeable battery that ensures ATT operation even in the absence of power supply. Moreover, ATT notifies both the power failure and the subsequent electricity restoration via an SMS.

Do I need to buy an external modem or any accessories for using ATT?

No. The package includes all the components required for using the product.

Can I put two ATTs into communication?

Yes. Through the DTMF protocol, the sending of SMS or phone rings, you can establish a communication via GSM so as to make small automations.

Can I use ATT in other applications than management of household loads (heating system, irrigation, lighting, etc.)?

Yes. ATT is a universal product and can be used also in industrial sector, in building automation and in commercial sector.

Do I need a PLC to manage ATT?

No. ATT has an internal programmable logic for creating small automations simply and quickly.

Interface software

User tracking

With ATT you can keep and browse the log of events and users that have activated the device. This feature makes ATT suitable also for applications where security supervision is required, such as in the access management of condominiums, hotels, apartment hotels, etc.

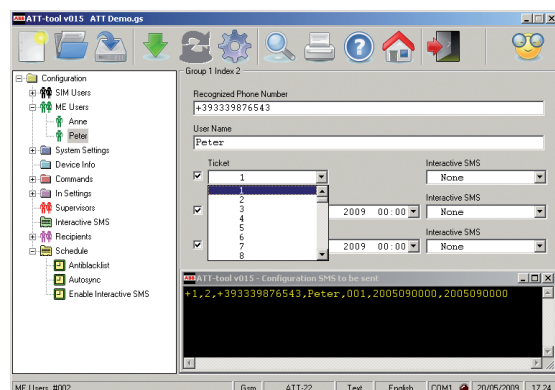
ATT-Tool

The ATT-Tool software with a user-friendly interface can be used for advanced programming and complete customization of ATT, in a simple and effective way.

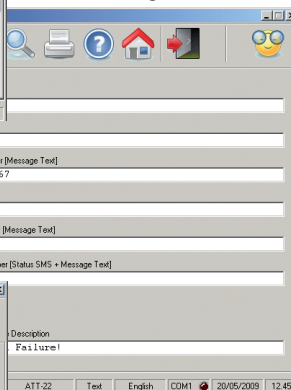
The software, available in all the main languages, can be used to:

- configure ATT without compiling and sending programming SMS
- add and remove, even remotely, the users authorized for the services
- enter, remove and change selective conditions of use
- define the receivers of SMS, fax, e-mail or phone rings
- set the controlled inputs and outputs
- set the general system parameters (PIN, password, SMTP for using e-mail, etc.)
- define programmed operations to be performed with a preset frequency
- generate clear text strings for programming via SMS
- rename the commands associated to the events, to make them clear and simple to the user
- display the log for user tracking
- set the threshold values of analogue inputs which events should be associated to.

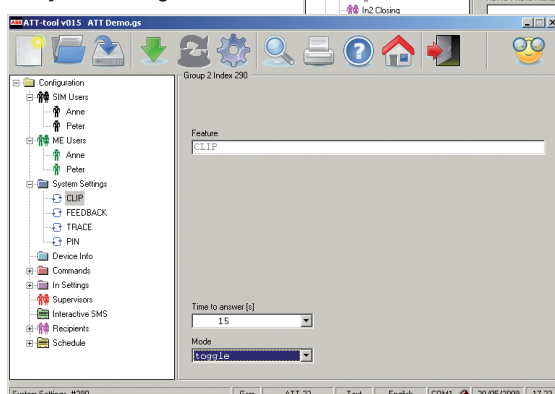
▼ Selective conditions of use



▼ Users settings



▼ System settings

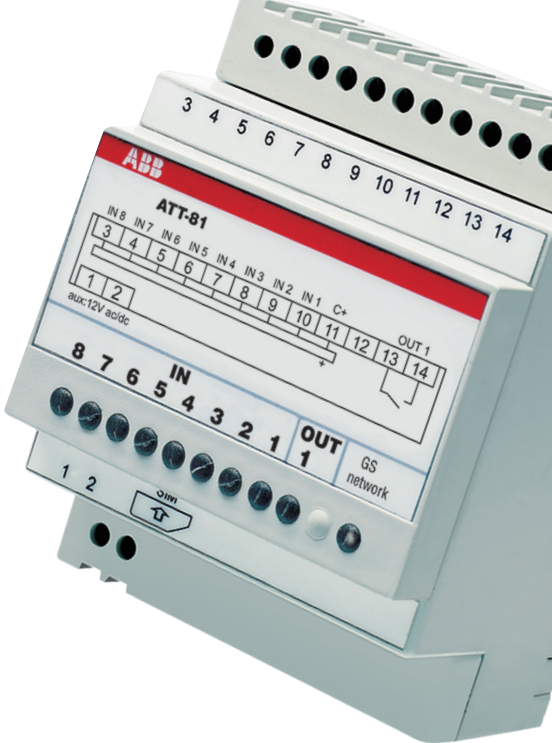


▼ Inputs settings



ATT configuration is very easy and does not require the use of a computer: the device can be programmed via SMS or simply inserting the SIM card into your own mobile phone.

Technical features



Technical features

	ATT-22	ATT-81
Power supply	12 V max a.c./d.c.	
Power consumption	5 VA	
Protection degree	IP40 (in the switchboard)	
Modules	4	
GSM antenna	Integrated omnidirectional	
External GSM antenna	Available in version E	
Signalling LEDs	2 inputs 2 outputs 1 GSM network presence	8 inputs 1 output 1 GSM network presence
Modem	Integrated, dual-band GSM900 – DCS1800	
Output power	Class 4 (2W) for GSM900 Class 1 (1W) for DCS1800	
Outputs	2 NO, 250 V a.c. 4 A	1 NO, 250 V a.c. 4 A
Regulatory compliance	R&TTE, Low voltage Directive 1999/5/EC, Directive 2006/95/EC EMC, Directive 2004/108/EC	

Order codes

Type	ABB code	Bbn 8012542 EAN	Description
ATT-22	2CSM322000R1371	944904	2 inputs 2 outputs
ATT-81	2CSM381000R1371	945000	8 inputs 1 output
ATT-22E	2CSM208345R1371	083450	2 inputs 2 outputs, external antenna
ATT-81E	2CSM208355R1371	083559	8 inputs 1 output, external antenna

Overall dimensions

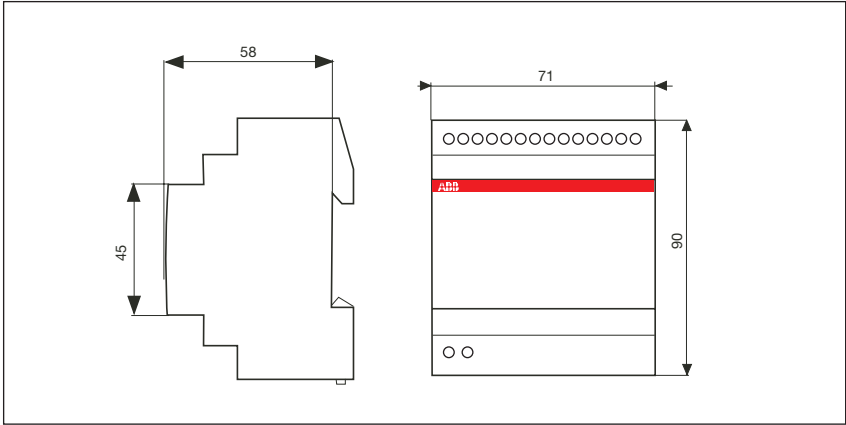


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