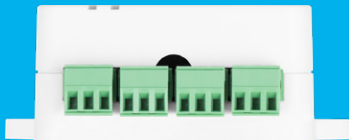# Relay Output 1W-UNI

4× relay output expansion module for Ares 12 via 1-Wire UNI

Expands Ares 12 and Ares 14 units functionality by remote control of four NO/NC dry contact relay outputs.

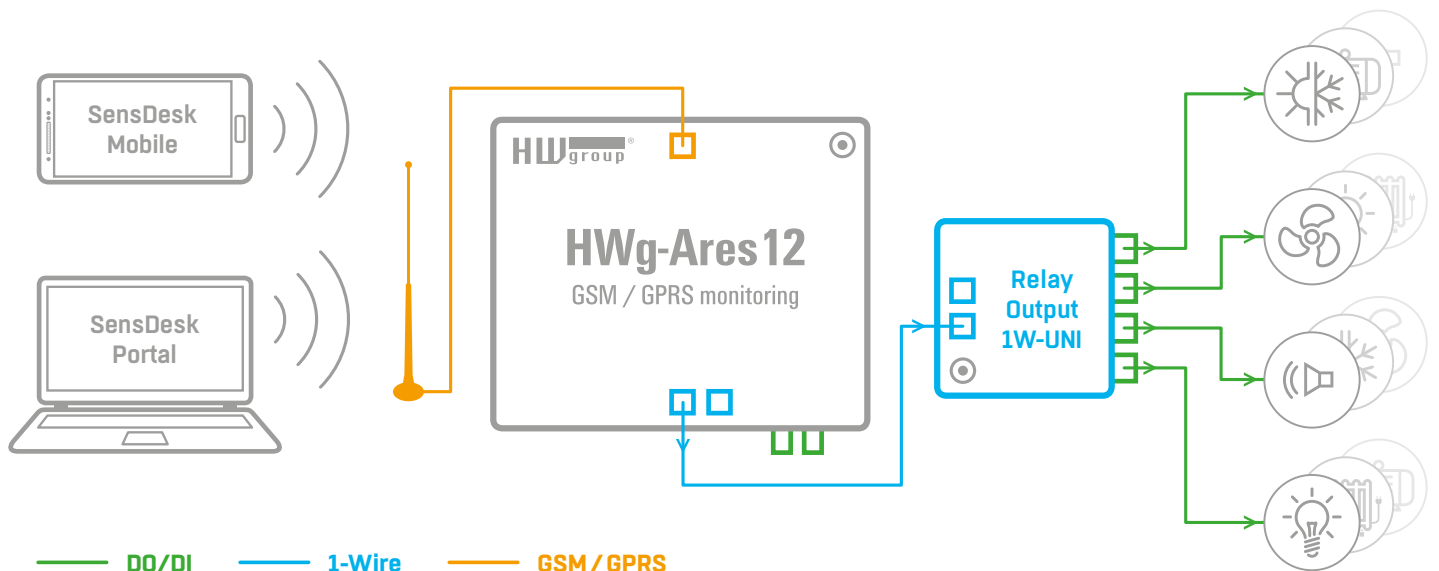*2× 1W-UNI + power supply 5 V*

4× Relay output

Can connect appliances with DI/DO interface:

- optical and acoustical alarms
- air condition systems
- heating systems
- power back-ups...

Allows remote control of connected devices:

- based on alarm event on Ares 12 or Ares 14
- manually via SMS sent to Ares 12 or Ares 14

Usage example

SensDesk Mobile

SensDesk Portal

HWg-Ares 12
GSM / GPRS monitoring

Relay Output 1W-UNI

— DO/DI   — 1-Wire   — GSM/GPRS

Technical specifications

Bus	
Type	1-Wire UNI
Supports	Ares 12, Ares 14
Sensor positions	The Relay output 1W-UNI module always uses 4 sensor positions from the 1-Wire UNI bus limit, i.e. even when only 2 DO are in use, the unit blocks 4 positions.
Connector	2× RJ11 (bus input + output for another sensor)
Power supply	The module is powered via RJ11, in some cases external 5V power supply can be necessary.
Power limits	To one active port (RJ11 connector of the Ares device) maximum of 2 Relay output 1W-UNI can be connected. To strengthen the power supply an external 5V adapter or a powered "1-Wire hub Power" accessory can be used.
Max. distance	60 m (from an active port of Ares device)
Included accessory	3m 2× RJ11 cable

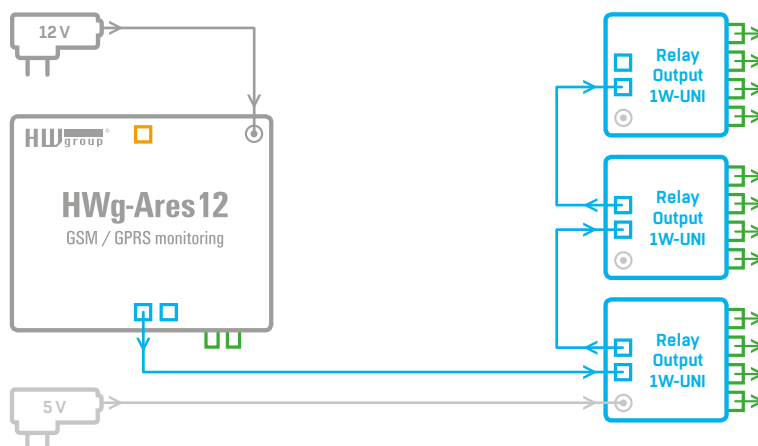| 4× relay output	
Port	OUT1 – OUT4
Type	Switchable relay dry contact (NO/NC)
Load	Max 50 V / 1A AC/DC
Galvanic insulation	The outputs are galvanically insulated

Physical parameters	
Operating conditions	-40 to +85 °C / 5 to 90 % relative humidity
Dimensions	65×80×30 mm
Weight	70 g

In order to reduce electrical consumption the Relay output 1W-UNI module contains bi-stable relays. Its functionality can be influenced by vibrations hence it is not suitable for use in such environment (moving vehicles etc.)

Strengthening the power supply

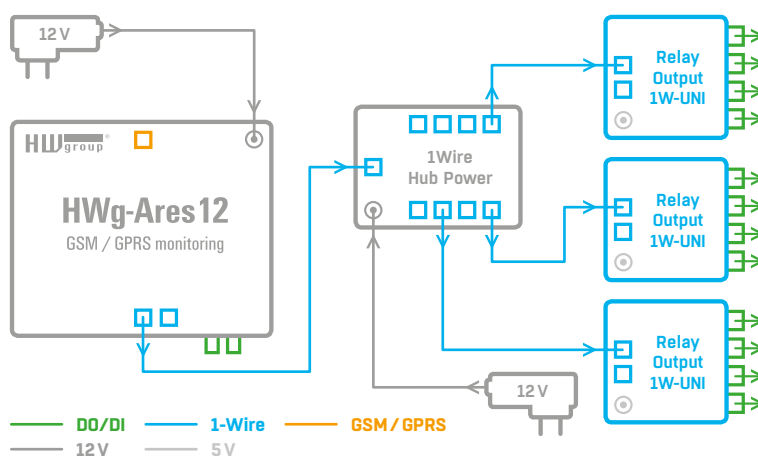One active RJ11 port can supply maximum of two Relay output 1W-UNI modules.
The third unit therefore uses its own power supply adapter.

Hub to strengthen the power supply

Active 1-Wire port from Ares 12 or Ares 14 unit is connected to several ports via "1-Wire hub Power" accessory.
All ports of the "1-Wire hub Power" are powered by a 12 V power supply adapter.

DO/DI 1-Wire GSM/GPRS 12 V 5 V

Related products

Ares 12
Industrial measuring and monitoring for 14 sensors with GSM communication and back-up power.

1Wire Hub
Power-boosted hub for the 1-Wire bus. Compatible with 1-Wire and 1-Wire UNI bus.

Expander 4xDI 1W-UNI
Expansion module of four DI via 1W-UNI.

5V Wall plug adaptor INT
International plug power adapter 5V / 1A (EU, UK and USA).