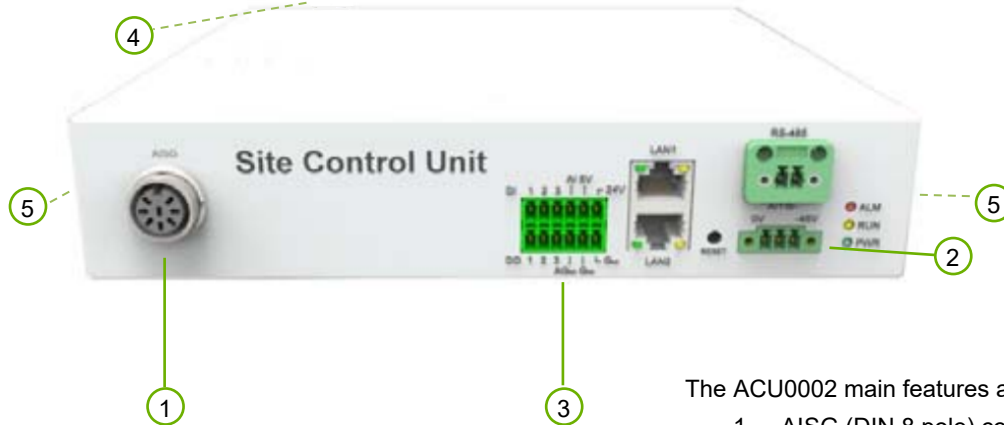


AISG Controller – ACU0002

INSTALLATION GUIDE

This document has been written as a guide to Kaelus's recommended installation practices for the ACU0002 AISG controller. This guide has been prepared for use by qualified installation team members having the responsibility for the correct installation, testing and maintenance of mobile operator systems.

PRODUCT DESCRIPTION



The ACU0002 main features are as follows:

1. AISG (DIN 8 pole) connector
2. -48 VDC Power supply; 36...72 VDC
3. Alarm connector
4. Grounding (Earth) lug M5 (back side)
5. Bracket mounting holes for 19" rack mount (side)
6. (SMA connector on back side not connected)

INSTALLING THE CONTROLLER



Installation Instruction 19" rack mounting

Step 1: Assemble mounting brackets (2x) using countersunk M4 (8x) screws.
Tool: screwdriver PH2

Step 2: It is recommended that a system earth cable is installed between the grounding lug (4) and earth.

Step 3: Proper torque for AISG DIN connectors 0.37 - 0.74 ft/lbs (0.5 - 1 Nm)

ALARM Interface

Wiring

Type	Hook-up wire solid or stranded
Conductor cross section AWG	24-16
Metric	0.20 ... 1.5 mm ²
Stripping length	8-10 mm

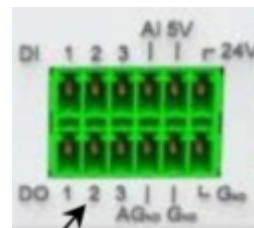


Alarm connector (3)
Push-in, press to release

Connection – Open collector outputs

Open collector (OC) DO alarm outputs
Weak pull-up to 24V or pull down to GND

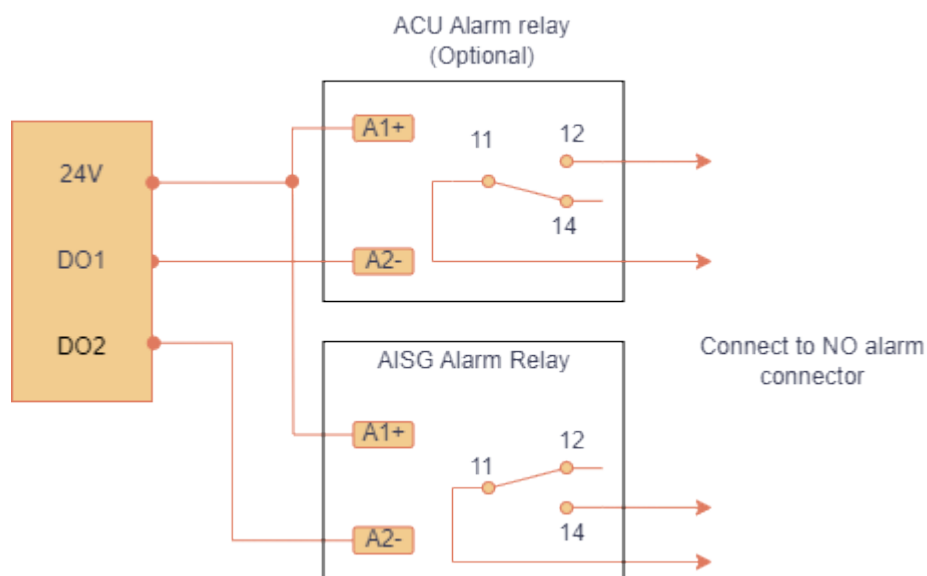
Connect between DOx and 24V



Output	Device	Contact Status	Alarm Status	Trigger event
DO1	ACU0002	Closed	Normal	ACU0002 Power On
		Open	No connection to ACU0002	ACU0002 Power Off
DO2	AISG	Open	Normal	AISG RET status normal
		Closed	Disconnected or AISG major alarm	RET disconnected or other major alarm

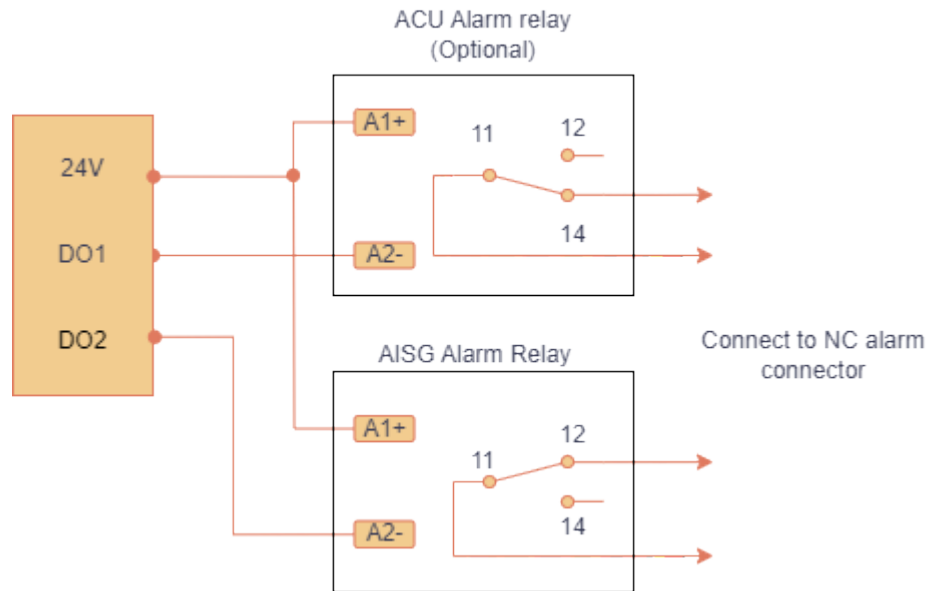
Connection – NO relay

Closed circuit - Alarm



Connection – NC relay

Open circuit - Alarm



Relay

SPDT relay
Activation indicating LED
Mounting DIN rail



PRODUCT INFORMATION

Part Number	Description
ACU0002F1V1-1	AISG controller-1 way
2903370	Phoenix contact Relay Module - RIF-0-RPT-24DC/21

Information contained within this document is valid at the time of release and may be reviewed by Kaelus at any time.