



ALM05

3" DIGITAL HMI



- HMI designed for control applications
- CAN BUS or SERIAL network
- Display and up to 4 toggle switches and a side button for custom applications
- Dry contacts emergency button
- Customizable graphics

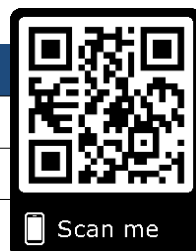


TECHNICAL DATA

CODE	ALM05	
POWER SUPPLY	9 ÷ 36 VDC / 20 mA CURRENT ABSORPTION AT 24 VDC (STAND BY MODE)	
SWITCH / BUTTON	TOTAL 9	Up to no. 4 2/3 POSITIONS TOGGLE SWITCHES No. 3 KEYS ON THE BACK Up to no. 2 SIDE BUTTON ON THE LEFT/RIGHT No. 1 EMERGENCY BUTTON
LED	TOTAL 8	No. 4 BICOLOR PROGRAMMABLE LEDS No. 4 STATUS LEDS / BACKLIGHT ON TOGGLE SWITCHES
CAN BUS	2 PORTS	2.0 A/B COMPLIANT - (11, 29 BIT) - ISO 11898 - UP TO 1MBIT/S
CAN BUS PROTOCOLS	CAN OPEN (CIA DS401 DEVICE PROFILE FOR GENERIC I/O MODULE, WITH DS306 EDS FILE) ON REQUEST: SAE J1939	
SERIAL	1 PORT	OPTIONAL: RS232 UP TO 115200 BAUD
DISPLAY	LCD TYPE: MONOCROMATIC FSTN (WHITE ON BLUE BACKLIGHT) DOT MATRIX: 240 X 120 DOTS VISUAL AREA: 72.0 (W) X 37.0 (H) mm	
CONNECTIONS	1	M12 8PIN MALE A-CODED CONNECTOR (SEE ELECTRICAL CONNECTIONS TABLE) ON REQUEST: WIRED CONNECTION OR CUSTOMIZABLE CONNECTOR
WORKING TEMPERATURE	-20°C +70°C	
EMERGENCY STOP BUTTON	35 VDC; 2 A	

ELECTRONIC FEATURES

SLAVE USAGE	EDS FILE
PROGRAMMING	FIRMWARE UPLOAD BY CAN BUS WITH ALOADER SOFTWARE TOOL
CYCLE TIME	5 ms



(25/06/2025) - 1



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STANDARDS

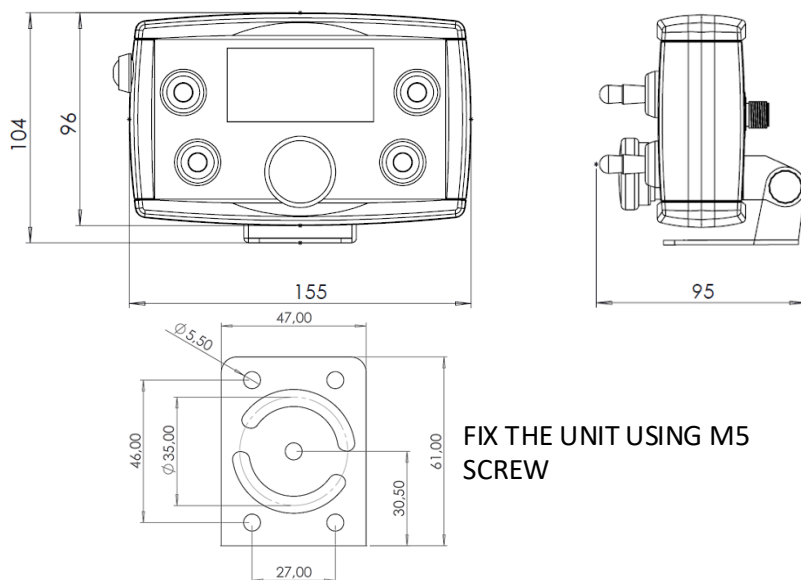
ELECTROMAGNETIC EMISSIONS EN 61000-6-4// EN 55011 (RF RADIATE)

ELECTROMAGNETIC IMMUNITY EN 61000-6-2// EN 61000-4-2/3/4/6

EMERGENCY STOP BUTTON EN60947-5-1
EN60947-5-5
(manufacturer's specification)

IN ACCORDANCE WITH THE EN50498 THE DEVICE MEETS THE TECHNICAL SPECIFIC REQUIREMENTS OF 2004-104 DIRECTIVE (AUTOMOTIVE). THE DEVICE IS EMC 2004/108 COMPLIANT.

SIZE (mm)

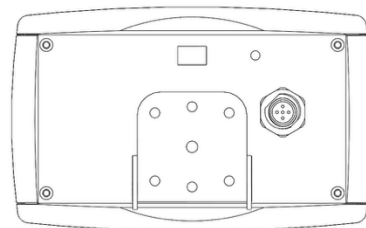
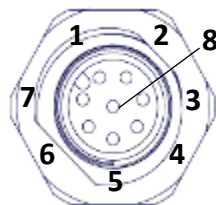


FIX THE UNIT USING M5 SCREW

ELECTRICAL CONNECTION

CONNECTOR PINOUT

- | | |
|---|-------------------------------|
| 1 | POSITIVE POWER SUPPLY |
| 2 | CAN2 H (OPTIONAL) |
| 3 | CAN H |
| 4 | CAN2 L (OPTIONAL) |
| 5 | NEGATIVE POWER SUPPLY |
| 6 | NC EMERGENCY-STOP DRY CONTACT |
| 7 | CAN L |
| 8 | NC EMERGENCY-STOP DRY CONTACT |





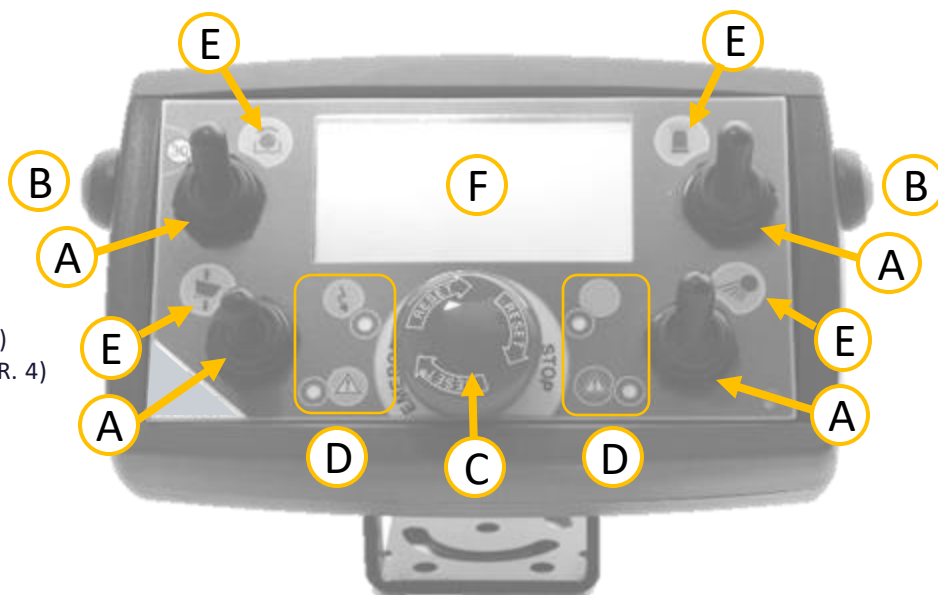
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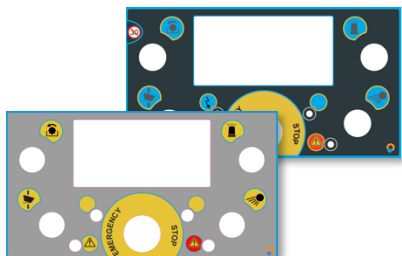
CONNECTIONS

DEVICE CONFIGURATION

- A. TOGGLE SWITCHES
- B. SIDE BUTTONS
- C. EMERGENCY STOP BUTTON
- D. PROGRAMMABLE BICOLOR LEDS (NR. 4)
- E. SWITCHES STATUS/BACKLIGHT LEDS (NR. 4)
- F. GRAPHIC DISPLAY



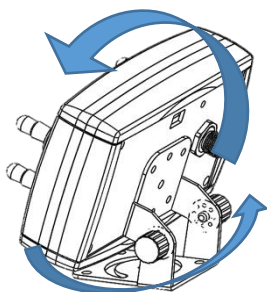
CUSTOMIZABLE GRAPHIC LABEL



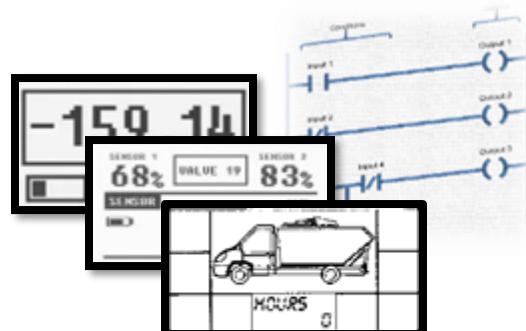
MEMBRANE KEYBOARD ON THE BACK



ADJUSTABLE ROTATION AND INCLINATION



CUSTOMIZABLE GRAPHIC DISPLAY and WORKING LOGIC





NOTE