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PISA-M PISA-M-4ADJ



- 4 channels (4x1-8A)
- Only 22.5mm width
- Joint or individual alarm
- Fast or slow characterization



PRODUCT DESCRIPTION

- 4 channels
- Only 22.5mm wide
- Each channel can be adjusted to: 1/2/3/4/6/8 A (max 20 A total)
- You can choose fast or slow characteristics (e.g. slow for equipment that requires starting current)
- Press connection
- Local or remote recovery

The courses can be turned on and off using the 4 buttons on the front. The track is on if it lights up green and off if it glows red with a steady light.

The 4 courses start at about 100 ms intervals.

The factory settings are that all channels are connected with the setting 1A and fast characteristic.

If a channel is tripped, the respective LED flashes red once for overload or short circuit and red twice for (a) the total overload protection of 20 A for sec is activated or (b) the power supply protection mode is activated. For more information, see the User's Guide, Section 9. To reset the course, press and hold the respective course button for 1 sec.

To check what the different channels are set to in the Amp level:

Press buttons 1 and 4 at the same time for a short time (50 ms).

LED 1 will then flash green quickly for the number of Amps set (once for 1 A, twice for 2 A, etc.).

To change the different Amp levels on the different channels: (Max. 20 A total) Press buttons 1 and 4 at the same time for 1 sec (all channels will be orange)

Short press button 1 (50 ms), then press within 4 sec. the number of times corresponding to the desired gain level, e.g. 3 times corresponds to 3 A. Then it flashes quickly 3 times (green) (in 2 sequences) Then press button 1 for 1 sec. to save. It then shines with a solid green light. Repeat for channels 2-3 and 4. To exit the programming mode, press buttons 1 and 4 at the same time for a short time (50 ms).

To see and change whether the fuse is set to fast or slow characterization: Press buttons 1 and 3 at the same time for a short time (50 ms)

LEDs 1-4 will then flash green at a fast speed for fast or slow characteristics (daytime running lights)

Press buttons 1 and 3 again at the same time for a short time (50 ms) (within 4 sec). This changes the characteristic.

This is automatically saved.

If you do not press any button within 10 seconds, you will automatically exit programming mode.

Clear recovery

If a circuit has tripped, you can apply a voltage of 10-30 V DC (under 1 sec) to terminals 3.3 (+) and 3.4 (-), once the cause has been found and the fault has been fixed. Other channels are not affected, regardless of whether they are connected or disconnected.

Alarm contact From the factory, it is delivered as a trippy alarm. See the 4 different alarm options below. For more information, see Section 12 of the User's Guide.

You can connect multiple PISA-M modules in parallel to create multiple courses. Each (+) on the PISA-M module must be connected directly to the power supply.

We recommend a free space of 40 mm above and 30 mm below. 0 mm on the sides, 15 mm if the component on the side emits heat (e.g. power supply).

Properties: (otherwise see section 6 of the data sheet) Sensitivity: < 2ms - 0.22 sec in case of short circuit and $1.5 \times ln$. Slow: < 10 ms - 1.1 sec in case of short circuit and $1.5 \times ln$.

TECHNICAL DATA

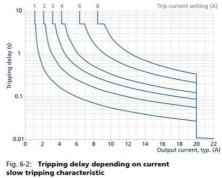
INPUT DATA

Input voltage dc min	9,6 V DC
Input voltage dc max	30 V DC
OUTPUT DATA	
Output current max	20 A
Output current per channel	Channel 1-4 :1, 2, 3, 4, 6, 8 A
EFFICIENCY / LIFETIME / MTBF	
Efficiency	98 %
Life span	268 000 h 4x5 A 40 C
MTBF (IEC 61709)	1 142 000 h 4x5 A 40 C
DIMENSIONS	
Width	23 mm
Height	104 mm
Depth	98 mm
Weight	0,1 kg

OTHER

Approvals	CE
IP class	IP20
Clamp type	Push in
Cable size stranded max	2,5 mm²
Material protection	Plastic
Voltage drop over semiconductor	130 mV
Back-feeding loads	30 V DC
Input connector	Push-In
Output connectors	Push-In





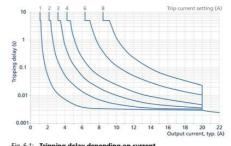
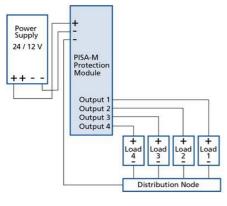
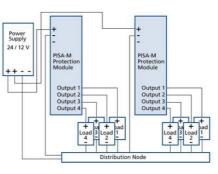
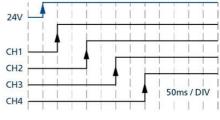
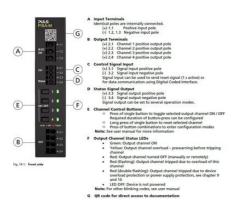


Fig. 6-1: Tripping delay depending on current A) fast tripping characteristic









5. Turn Output Channels ON or OFF

Each output channel can be switched ON and OFF individually. The required duration of button press can be configured, see chapter 10 "Button Reaction Style" • Output channel is ON → LED lights up green • Output channel is OFF → LED lights up red



 ⇒ Press the Channel Control Button (CCB) for the output channel t modified depending on the selected button reaction style:
 ⇒ 50 ms in standard mode or
 ⇒ 1 s in long press mode
 ✓ The output channel will switch between ON and OFF.

6. Check Current Tripping Setpoint of Each Output Channel

Each LED indicates the current tripping setpoint for each output channel. For example: LED 1 shows setting of output channel 1. 1. The number of flashes indicates current setting in ampere. For example: LED 1 flashes 4.x set current tripping stepoint for output cha

number of transes indicates current setting in ampere. example: LED Tables 4.x, set current tripping setpoint for output channel 1 is 4.A. sequence will be shown two times. device exits the checking mode and will return to regular operation.



Press CCB1 and CCB4 limitianeously for 50 ms.
 Fash LED will indicate the current tripping setpoint for each output channely flashing green.
 Pressing any button during LED flashing stops the checking mode
 immediates.

0	The device will exit setting mode automatically after 4 s inactivity.
These	evice is equipped with two signal ports. Signal status output (pin 3.1 – 3.2) and signal control input (pin 3.3 – 3.4 ports can be configured as follows: ing Alarm:
Swite	h closes when at least one or more output channels are tripped.
	atus Signal Output ON → one or more output channels are tripped atus Signal Output OFF → no output channel tripped
	al Coded Interface (DCI): ore detailed information regarding DCI mode, please refer to the product datasheet.
	ut Channel Off Alarm: h closes when one or more channels are tripped or manually turned off.
	atus Signal Output ON → one or more output channels are tripped if turned off atus Signal Output OFF → all output channels are turned on
OK-S Swite	gnal: h closes if all output channels are turned on.
	atus Signal Output ON all output channels are turned on the Signal Output OEE ana or more autout channels are turned off

