

Product Update

Input Extension Module IS-AIN8TC

Product Discontinuation and Replacement

MOTORTECH announced the discontinuation of the IS-AIN8TC analog input module for thermocouples from **December 31, 2020**.

The IS-AIN8TC 63.50.108 will be replaced by the new Intelli AIN8TC input extension module 63.50.093 in the future.

The customer support for the IS-AIN8TC is still warranted.

IS-AIN8TC (P/N 63.50.108)

OLD



General Features

- The Intelli AIN8TC extension module allows up to 8 analog input channels for measuring temperature by thermocouples
- The Intelli AIN8TC is useful where extremely accurate temperature reading is required, making accurate temperature readings simple and reliable
- It is compatible with J, K and L types of thermocouples and only suitable for the thermocouple types mentioned above
- Up to 10 Intelli AIN8TC can be attached to the ALL-IN-ONE.GAS controller

Intelli AIN8TC (P/N 63.50.093)

NEW



Ordering Information

P/N	Supersedes	Description
63.50.093	63.50.108	Analog input extension module for thermocouples – I-AIN8TC

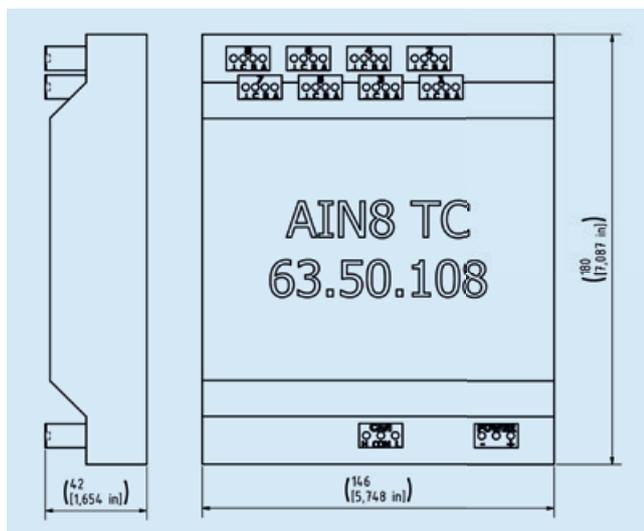
DISTRIBUTION

Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	No
MOTORTECH subsidiaries	Yes

Product Update

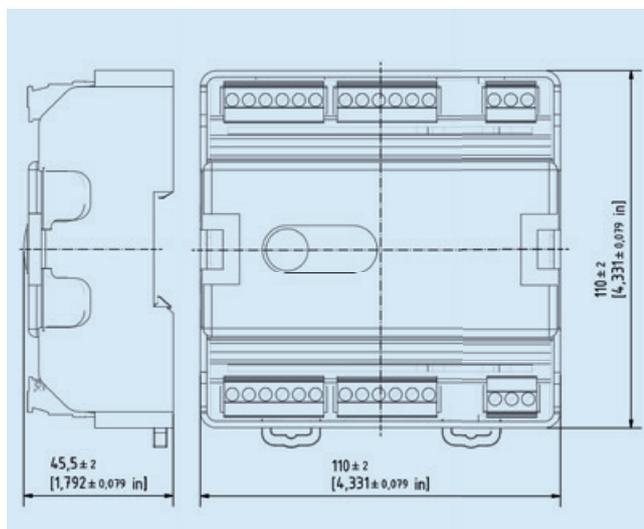
Dimensions

OLD



Dimensions

NEW



Technical Data

Extension Module I-AIN8TC 63.50.093 is compatible with

- ALL-IN-ONE.GAS¹⁾
- ALL-IN-ONE.NTC¹⁾
- ALL-IN-ONE.NT

General Information

- Protection class: IP20
- Galvanic separation:
 - CAN bus and all analog inputs are galvanic separated from the measurement and power supply
 - Analog inputs are not galvanic separated between channels

Power Supply

- 8 V–36 V DC
- Power consumption: 35 mA at 24 V / 100 mA at 8 V

Operating Conditions

- Operating temperature: -30 °C to 70 °C
- Storage temperature: -40 °C to 80 °C
- Operation humidity: 95 % without condensation
- Vibrations: 5 Hz to 25 Hz ±1.6 mm, 25 Hz to 100 Hz a = 4 G
- Shocks: a = 200 m/s²

Analog Inputs (not galvanic separated)

- Voltage range: ±100 mV
- Accuracy: ±0.1 % of actual value
- Internal temperature sensor for cold junction measurement: ±1 °C (-20 °C to 70 °C)

Certificates and Standards

- CE-certified
- Marine certifications: DNV-GL, LR, BV, RMR, CCS, RIN

¹⁾ Information: The controller ALL-IN-ONE.NT and ALL-IN-ONE.NTC needs AFR firmware 2.2 or higher.

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