Koolance ADT-FM002P Installation Guide v1.00

The Koolance ADT-FM002P allows a Molex 4-pin 12V PSU connection to power LED lighting of Koolance INS-FMxx Flow Meters. It also multiplies the flow meter RPM signal to allow it to be read by most fan tachometer headers (such as those found on ATX motherboards).

The flow meter RPM reading is intended to allow fan detection software (including BIOS) to enable the appropriate alarm or shutdown procedure if the flow meter impeller stops rotating. The "RPMs" represent approximate coolant flow rate in mL/min, and not revolutions.

The required connections for ADT-FM002P are illustrated below. **CAUTION: Make sure to properly insulate the circuit from chassis ground, or permanent damage can occur to the circuit and/or flow meter.**

Meter liquid flow compensation
(10-13mm & 6mm ID)

Coolant flow meter LED switch: off, on, pulse
(according to flow rate)

Coolant flow meter
(sold separately)

12V 4-pin Molex power supply connection

Motherboard signal connection