

# AGT-FD SERIES

## Ground Fault Measurement

AGT-FD Series Ground Fault sensors detect faults to earth from 0 mA to 100 mA and produce an output signal of 0-5/10 VDC in proportion to the amount of current passing to ground. The output is equal to the RMS value of the earth leakage. The AGT-FD can also be used to measure and monitor any low value AC circuit current by passing just one of the conductors through the sensing window.



### Ground Fault Transducers Applications

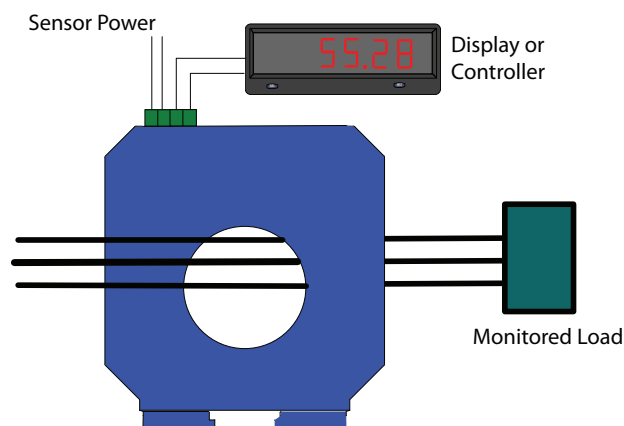
#### Current Leakage

- Monitor residual (earth leakage) current by passing all of the current carrying conductors through the sensing aperture.

#### Very Light Loads

- Monitor circuits of very low current usage by passing just one of the conductors through the sensing window.

Display Shows Amount of Fault Current Present



### Ground Fault Transducers Features

#### Analog Output Signal

- 0–5 or 0–10 VDC proportional to 0–100 mA.
- Sensing window large enough to monitor 100 amp circuits.

#### Externally Powered

- Low power consumption (< 2 VA).
- 24 Volt AC or DC (20–30 V).

#### Factory Calibrated

- Warranted to stay accurate for five years minimum.
- Compatible with most PLCs, panel meters and other controllers.

#### Large Solid-core Case

- Large sensing window provides ample space for multiple conductors.

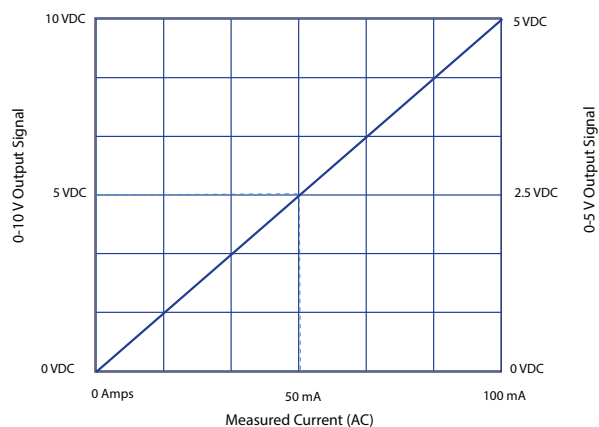
#### DIN Rail\* or Panel Mount

- Simple snap onto DIN rail.

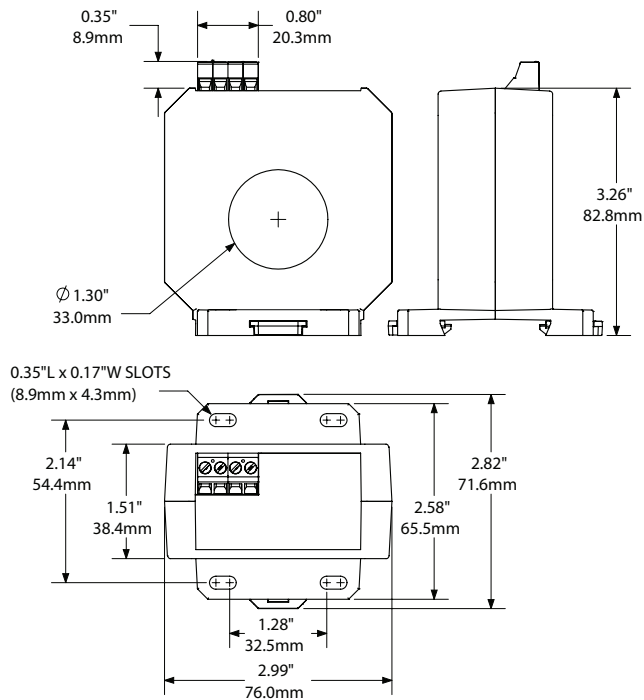
#### UL, cUL and CE Approved

- Accepted worldwide.

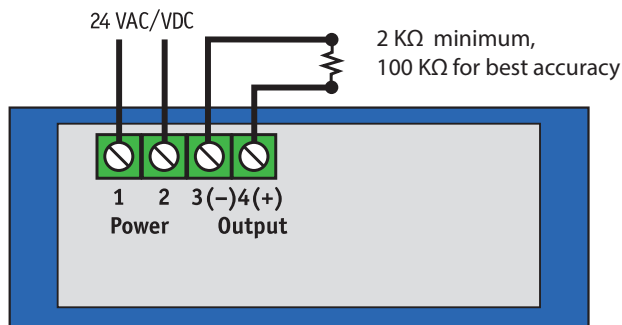
\*For information on the DIN rail accessories kit, see page 147.



## Ground Fault Sensor Dimensions



## Ground Fault Sensor Connections



## Ground Fault Sensor Specifications



<b>Power Supply</b>	24 VAC or VDC (20–30 V)
<b>Power Consumption</b>	<2 VA
<b>Input Range</b>	0–100 mA
<b>Output Signal</b>	0–5 VDC or 0–10 VDC
<b>Output Loading</b>	2 K $\Omega$ minimum, 100 K $\Omega$ for best accuracy
<b>Accuracy</b>	+/-1% FS
<b>Response Time</b>	250 ms (to 90% step change)
<b>Isolation Voltage</b>	UL listed to 2200 VAC
<b>Frequency Range</b>	50/60 Hz
<b>Case</b>	UL94 V-0 Flammability Rated
<b>Environmental</b>	-4 to 122°F (-20 to 50°C) 0–95% RH, non-condensing
<b>Listings</b>	UL, cUL, CE

## Ground Fault Sensor Ordering Information

Sample Model Number: AGT2-010-24U-FD

Ground fault sensor, output 0–10 VDC proportional to AC current, 24 VAC/VDC powered, DIN rail or panel mounted.

AGT (1) (2) (3) (4)  
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## (1) Model

2 0–100 mA

## (2) Output Type

005 0–5 VDC proportional to AC current

010 0–10 VDC proportional to AC current

## (3) Power Supply

24U 24 VAC or VDC

## (4) Case

FD Solid-core, DIN rail or panel mounting

OEMs

## Test &amp; Evaluation Units for OEMs

Free program expedites evaluation process. See page 3 for details.

