

AC-PRO VS. AC-PRO-II

FEATURE & SETTINGS COMPARISON

Comparison of The AC-PRO and AC-PRO-II Features and Settings

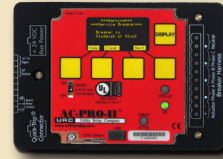
Utility Relay Company has two different models in the AC-PRO family of trip units. Listed below is breakdown of the features and settings available for the AC-PRO and AC-PRO-II.



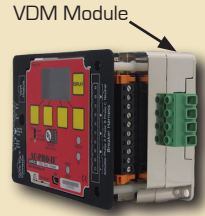
AC-PRO®



AC-PRO® with PT Module



AC-PRO-II®



AC-PRO-II® with VDM

General Features

Small Size			✓	✓
1-Line LCD Display	✓	✓		
Multi-Line OLED Display			✓	✓

Displayed on Trip Unit

3 Phase Currents	✓	✓	✓	✓
3 Phase Voltage				✓
Power & Energy (KW, KVA, PF, KWHr, KVAHr)				✓

General Settings

Rating Plug	No	No	No	No
Frequency Setting (50Hz or 60Hz)			✓	✓
CT Primary Rating	✓	✓	✓	✓
CT Secondary Rating			✓	✓

Current Based Protection

Long Time (LT)	✓	✓	✓	✓
Short Time (ST)	✓	✓	✓	✓
Instantaneous (I)	✓	✓	✓	✓
Ground Fault (GF)	✓	✓	✓	✓
Ground Fault Alarm Only			✓*	✓*
Phase Unbalance	✓	✓	Note 1	
Thermal Memory (LT, ST & GF)	✓	✓	✓	✓
Neutral Overload (NOL)			✓	✓

Voltage Based Protection

Undervoltage (UV)				✓
Overvoltage (OV)				✓
Negative Sequence Phase Loss				✓*
Negative Sequence Reverse Phase				✓*

Note 1: AC-PRO Phase Unbalance replaced with Phase Loss in AC-PRO-II

* Future Firmware Update

AC-PRO VS. AC-PRO-II

FEATURE & SETTINGS COMPARISON

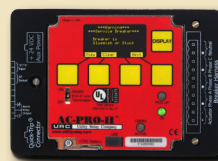
Comparison of The AC-PRO and AC-PRO-II Features and Settings



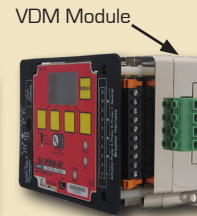
AC-PRO®



AC-PRO® with PT Module



AC-PRO-II®



AC-PRO-II® with VDM

QUICK-TRIP® Arc Flash Hazard Reduction

QUICK-TRIP Instantaneous (QT-I)	✓	✓	✓	✓
QUICK-TRIP Ground Fault (QT-GF)	✓	✓	✓	✓

Last Trip Data

Trip Counter by Function	✓	✓	✓	✓
Number of Last Trip Events Saved	1	1	8	8
Time Stamping			✓	✓
Waveform Capture on Trip			✓	✓

Voltage, Frequency, Power & Energy Metering

Data Available Using Communications		✓		✓
-------------------------------------	--	---	--	---

Alarm Outputs

Configurable Alarm Relays			✓	✓
---------------------------	--	--	---	---

Waveform Capture

Waveform Capture on Demand			✓	✓
Waveform Capture on Trip			✓	✓

Communications

Modbus RTU via RS485		✓	✓	✓
Addressable Relay		✓		

Patented Sluggish Breaker™ Detection

Sluggish Breaker™			✓	✓
-------------------	--	--	---	---

Direct Computer Interface

USB Port on Trip Unit			✓	✓
Compatible with InfoPro-AC Software for PC's			✓	✓

SAFE-T-TRIP™ Remote Trip Compatible

USB Port for SAFE-T-TRIP™			✓	✓
---------------------------	--	--	---	---

Auto CT Polarity

Avoids Nuisance GF Trips Due to Incorrect CT Polarity Connection			✓*	✓*
--	--	--	----	----

* Future Firmware Update