

# R612

Multi Feeder Terminal Unit



**affra**

[www.affratech.com](http://www.affratech.com)

**R612** The controller is located on the key control panel and acts as a key controller, sending information to the control center and receiving commands from the center.

### Fault

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Over Current  
Phase  
Earth

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Synchronism Check  
Open Line Detection

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### Measurement

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Voltage Load  
Current Phase/ Earth  
Power Active/ Reactive/ Apparent  
Power Factor  
Frequency  
Temperature

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### PQM

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THD Voltage/ Current  
Harmonic 2-31<sup>st</sup> (Odd/Even) Voltage/ Current

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### Recording

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Digital I/O Event  
Analog Input Event  
Counters Switch Open, Switch Close, ...

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### Additional Functions

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Analog Alarm

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### Analog Input

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3 Voltage Load  
4 Current 3 phase/ 1 Neutral

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### Digital Input/ Output

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3 Output  
7 Input

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### HMI

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160 \* 160 Graphic Display (BW)

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### Communication

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Ethernet – DNP3.0, IEC60870-5-101/104, HMI Software, AES128  
Serial RS232 – DNP3.0, IEC60870-5-101/104, AES 128  
Serial RS232 – HMI Software  
RS485 – Modbus RTU

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### Hardware

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Power Supply  
Battery Charger  
Battery Test Circuit

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### Environment Condition

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Operating Temperature -25 to +70 °C  
Humidity < 95% RH  
Altitude < 2000 m

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