FEEDER PROTECTION

Old News.

Limited or No Oscillography

Limited or No Data Logging

Sampling for Protection
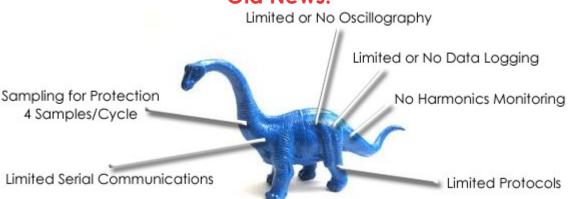4 Samples/Cycle

No Harmonics Monitoring

Limited Serial Communications

Limited Protocols

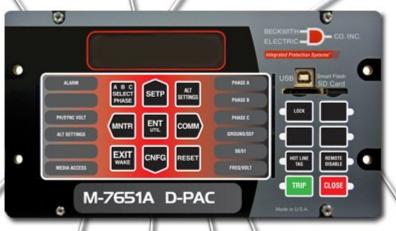**New News.**

100 DFR Quality Records with
Adjustable Sampling Rate up to 128 s/c
and up to 480 Cycles each

Data Logging for >2 Years at 5 min.
Intervals (user adjustable)

Customizable DNP Mapping

Front Panel USB and SD Card Ports for
Local Programming and Data Transfer

BECKWITH ELECTRIC CO. INC.
Integrated Protection Systems

USB | Smart Flash SD Card

ALARM | A B C SELECT PHASE | SETP | ALT SETTINGS | PHASE A
PH/SYNC VOLT | MNTR | ENT UTIL | COMM | PHASE B
ALT SETTINGS | | | | PHASE C
| EXIT WAKE | CNFG | RESET | GROUND/SEF
MEDIA ACCESS | | | | 50/51
| | | | FREQ/VOLT

LOCK
HOT LINE TAG | REMOTE DISABLE
TRIP | CLOSE

M-7651A D-PAC

Made in U.S.A.

Programmable
Buttons and LED's

Advanced Communications,
True Ethernet, Dual MAC

NERC CIP Compliance
Cyber Security, including IEEE 1686

5,000 Sequence of Events Records
with PQ Viewer (ITIC Curve)

Real Time Power Quality Monitoring
(Sag, Swell, THD, SST)

IPSCom S-7600: Uncomplicated Software
for Complex Applications

Protection, Automation and Control System for Power Distribution Applications

Protection

- Over 25 Protection Elements for optimal protection of Power Distribution Systems
- Advanced Protection Schemes for applications including Feeder Protection and Bay Control
- 8 Setting Profiles
- Comprehensive I/O Matrix provides visual confirmation of enabled functions and selected outputs improving security

Automation/Communications

- Front panel USB and SD Card ports for local programming and data transfer
- One or two optional serial ports (TIA‑232, TIA‑485 or Serial Fiber)
- Optional single or dual Ethernet ports with simultaneous multi-user and multi protocol support
- Protocols supported include:
  - MODBUS, DNP3.0 and SmartP2P
  - Optional: IEC61850, IEC60870-5-104 or 2179
- Comprehensive Cyber Security tools for NERC CIP Compliance
- IEEE 1686 Compliant

Control

- Four user programmable Inputs and Outputs, expandable to twelve
- User programmable front-panel LEDs and pushbuttons

Monitoring

- Power Quality Monitoring up to the 63rd Harmonic including THD
- PQ Viewer (ITIC Curve)
- Sags, Swell and Sub-Synchronous Transient Detection
- Advanced Data Logging and Load Profile Recorder
- 5000 Event Sequence of Events (SoE) Recorder
- 100 DFR quality records of up to 480 Cycles with an adjustable sampling rate of up to 128 s/c

IPScom® – Uncomplicated Software for Complex Power System Applications

- Integrated Metering, DFR and PQ Visualization Tools
- Search and filtering tools for analysis of SoE, DFR and PQ records
- IPSlogic Programmable Logic

Flexibility

- Fast and easy retrofitting for most popular relays in existing cutouts using Beckwith's Adapter Panel Technology™

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