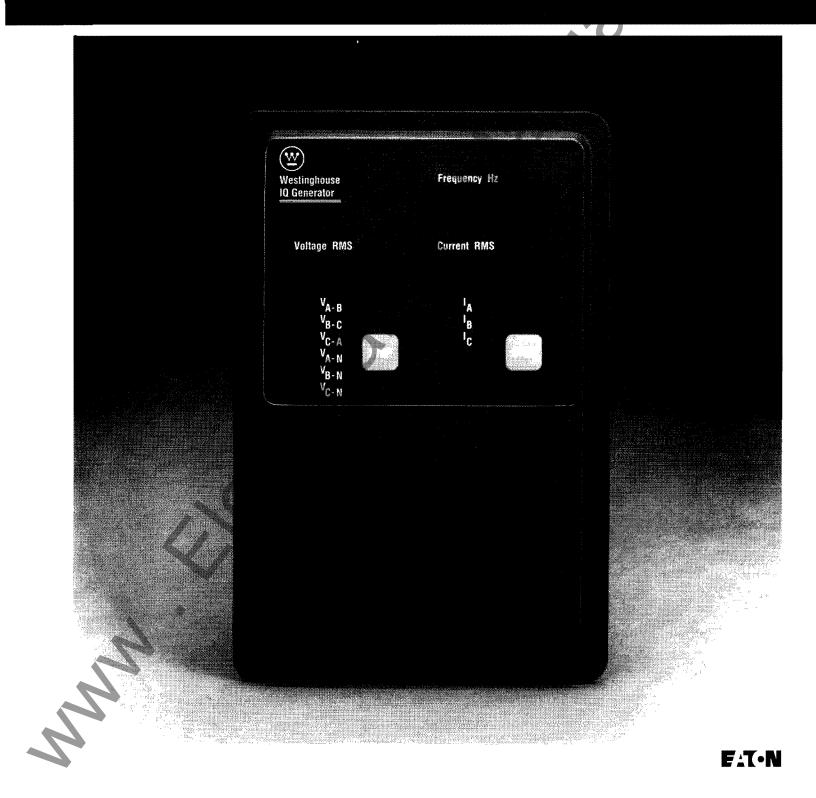
Descriptive Bulletin 8172

Page 1

# Westinghouse IQ Generator



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Page 2

#### IQ Generator™ Digital Metering Device

The IQ Generator is a microprocessor-based monitoring device that provides simultaneous current, voltage and frequency metering. In one compact, standard package, the IQ Generator provides an alternative to individually mounted and wired ammeters, voltmeters, ammeter and voltmeter switches, and frequency meters.

#### **Direct Reading Metered Values**

AC Ampere	Phase A Phase B Phase C	1% Accuracy	•
	Thuse C		

<ul> <li>AC Voltage</li> </ul>	1% Accuracy
Phase A-B	Phase A-Neutral
Phase B-C	Phase B-Neutral
Phase C-A	Phase C-Neutral

0.5% Accuracy

Frequency

#### Input Ranges -

- Current Transformers 25/5 through 5000/5
- Potential Transformers Self contained up to 600 volts. Above 600 volts, potential transformer inputs to 14.4KV
- CT and PT ratios field settable with DIP switches - refer to "Rear View"

#### **General Specifications**

#### Additional Features

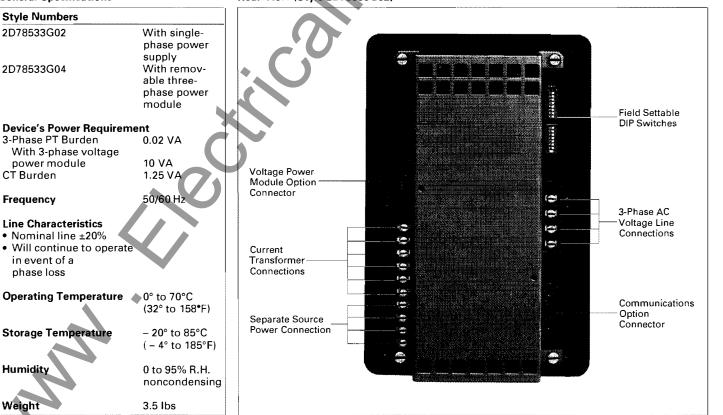
- Simple electrical connections
- 50/60 Cycle
- 3-Wire or 4-Wire Systems
- Door mounted (2.5 inches depth)
- · Three four-digit display windows for simultaneous viewing of current, voltage and frequency · Separate step button for current and
- voltage
- Optional communication port for two-wire connection to Westinghouse INCOM network

#### **Customer Benefits**

- Space savings in structure Replaces Ammeter, Voltmeter, Selector Switches and Frequency Meter
- Standardization of design One door-٠ mounted device
- Direct voltage input up to 600 volt No additional PT's required
- User-friendly Field settable DIP switches
- Standard model (Style 2D78533G02) derives power from separate source 120/240 VAC supply

### Rear View (Style 2D78533G02)

- IQ Generator available with a 3-phase voltage power module for powering unit from line when separate source not available (Style 2D78533G04)
- Order simplification 2 style numbers Do not need to stock different faceplates for different <u>CT</u> and PT ratios
- Interface capability to computer network for data collection, storage and/or printout via INCOM - The Westinghouse twowire local area network
- Membrane faceplate, designed and tested to perform in a harsh industrial environment (NEMA 3R, 12)
- Retains preset parameter through power failure with use of field settable DIP switches (no batteries)
- **U**L recognized
- CSA certified
- ANSI 37.90











#### Three-Phase Power Module

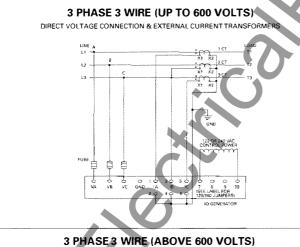
The IQ Generator is available packaged with a detachable 3-phase voltage power module (Style 2D78533G04). An IQ Generator equipped with a power module is necessary for the following conditions:

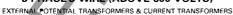
- A 120/240 VAC separate source power supply is not available.
- The customer cannot have 480- or 600-VAC mounted on the door. A 36-inch extension cable (Style 7871A40G02) can be ordered along with the three-phase voltage power for removing the module from the door-mounted IQ Generator.

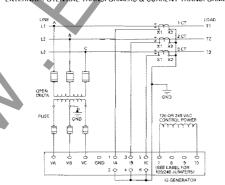
The 3-phase voltage power module will allow the unit to be powered from the line it is monitoring. When the module is connected to the IQ Generator, the unit no longer needs to be powered from a separate source. The module will not be sold separately.

For additional pricing, see Price List 8174. For additional metering, see IQ Data (Descriptive Bulletin 8171), IQ Data Plus II (Descriptive Bulletin 8170), and IQ Analyzer (Descriptive Bulletin 8179).

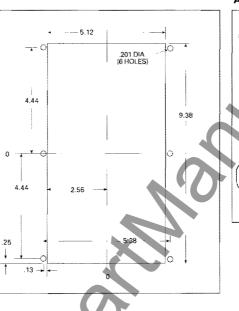
Field Wiring Connections (Stand Alone Application - Style 2D78533G02)



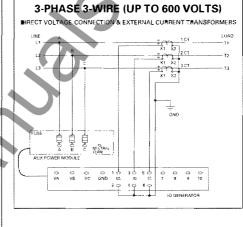


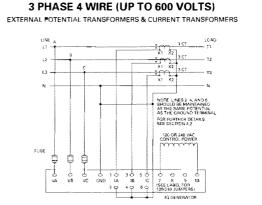


**Drilling Pattern** 



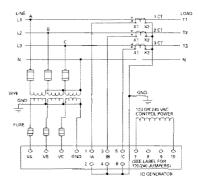
Field Wiring (Example of 3-Phase Power Module Application)





## 3 PHASE 4 WIRE (ABOVE 600 VOLTS)

DIRECT VOLTAGE CONNECTION & EXTERNAL CURRENT TRANSFORMERS

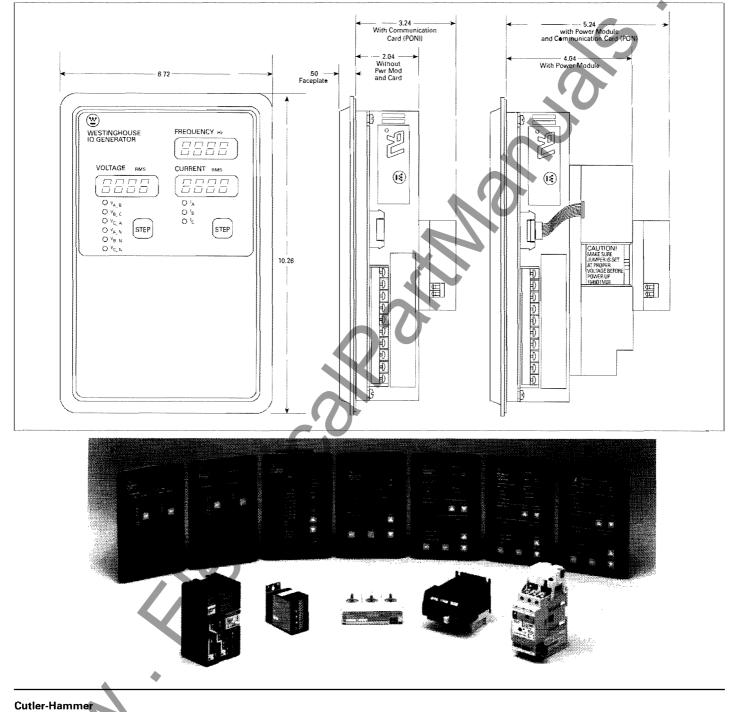


Descriptive Bulletin 8172

Page 4



#### **Dimensions (In inches)**



Westinghouse & Cutler-Hammer Products Five Parkway Center Pittsburgh, Pennsylvania, U.S.A. 15220  $d_{i_{T}}$ 

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