five year free 5 REPLACEMENT Warranty

EQX 40, 80, 160

GENERAL SPECIFICATIONS

Peak Surge Current: 40, 80, 160 kA per phase.

ANSI/IEEE C62.41 Location Categories: A, B & C

Application: AC power service entrances, branch panels and/or individual equipment.

Warranty: Five-Year Free Replacement

Unit Listings: UL1449 SECOND EDITION, cUL, UL1283 filter, CE

Manufacturer Qualifications: ISO 9001:1994 Quality System Certification BSI FM 30833

MECHANICAL SPECIFICATIONS

Enclosure: Powder Coated Steel, NEMA 1 rated

Mounting: Threaded conduit fitting and/or multi-point mounting feet

Connection: #10 (6 mm^2) stranded wire.

Weight: ≈ 5 lbs (2.2 kg)

Operating Temperature: -40° F (-40° C) to +140° F (+60° C)

ELECTRICAL/PERFORMANCE SPECIFICATIONS

Protection Modes: Full Mode: L-N (normal mode), L-G, N-G (common mode)

Input Power Frequency: 47-420 Hz (50-60 Hz for ATN® models)

Response Time: < 1 nanosecond

Capacitance: Up to 30 nf with EQX, up to 1.5 µf with EQXN

Diagnostics: Green LED indicators, Dry Relay (Volt-Free) contacts (contact rating 1 Amp, 120 VAC or 2 Amp, 30 VDC)

Short Circuit Current Rating: 200 kAIC with 30 Amp Class R Fuse

Maximum EMI/RFI Attenuation – Mil-Std-220

1 kHz	*10 kHz*	*100 kHz*	*1 MHz*	*10 MHz*	*Maximum Attenuation Frequency*
0 dB	8.5 dB	30 dB	23 dB	6.8 dB	58 dB @238 kHz

OPTIONS AVAILABLE

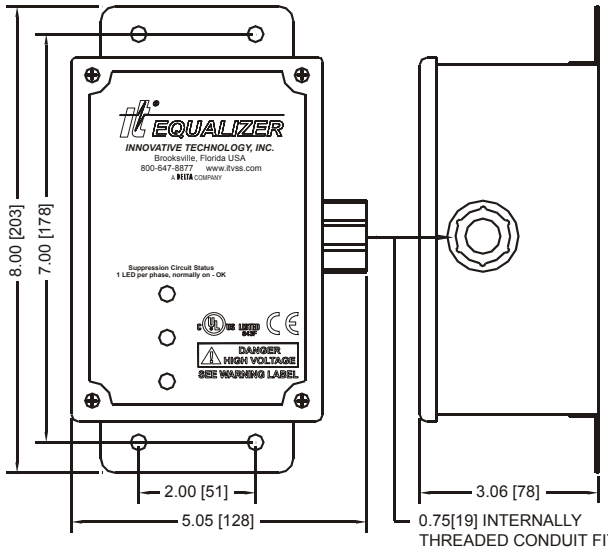
Active Tracking Network (ATN®): ***EQXxxN*** **Flush Mount Plate**

CE cULus LISTED 843F ISO 9001

(EQXs.doc 11/7/02 ZM02-354)

15470 Flight Path Drive, Brooksville, Florida 34604 USA
www.itvss.com - 800-647-TVSS – 352-799-0713

EQX 40, 80, 160



EQX40 EQX80 EQX160	System Config	Nominal System Voltage	MCOV	ANSI/IEEE C62.41-1991 Measured Limiting Voltage*								UL SVR	
				A1 Ring Wave 2 kV, 67 A 180° Phs Angle		A1 Ring Wave 2 kV, 67 A 90° Phs Angle		All Models B3/C1 Impulse 6 kV, 3 kA 90° Phs Angle		All Models C3 Impulse 20 kV, 10 kA 90° Phs Angle		UL 1449-2 Suppressed Voltage Ratings	
				L-N L-G HiL-N	L-L N-G HiL-G	L-N L-G HiL-N	L-L N-G HiL-G	L-N L-G HiL-N	L-L N-G HiL-G	L-N L-G HiL-N	L-L N-G HiL-G	L-N L-G HiL-N	L-L N-G HiL-G
1P101	1 ϕ 2w+grnd	100, 110, 120, 127	150	330 340	-- 380	370 390	-- 380	490 540	-- 510	840 970	-- 900	400 400	-- 400
1P201	Single ϕ 2w+grnd	200, 208, 220, 230, 240	320	670 670	-- 720	760 740	-- 720	930 960	-- 910	1340 1400	-- 1290	800 800	-- 800
1S101	Split ϕ 3w+grnd	100/200, 110/220 120/240, 127/254	150/300	330 340	620 380	370 390	680 380	490 540	940 510	840 970	1300 900	400 400	800 400
3D101	3 ϕ Δ (Hi-Leg) 4w+grnd	120/240	150/300	330 670 670	620 720 670	370 740 760	680 720 740	490 960 930	940 910 960	840 1400 1340	1300 1290 1400	400 400 800	1500 400 800
3Y101	3 ϕ Y/Star 4w+grnd	100/175, 110/190 120/208, 127/220	150/300	330 340	620 380	370 390	680 380	490 540	940 510	840 970	1300 900	400 400	800 400
3Y201	3 ϕ Y/Star 4w+grnd	220/380, 230/400 240/415, 277/480	320/640	670 670	1130 720	760 740	1380 720	930 960	1700 910	1340 1400	2150 1290	800 800	1500 800
NN201	3 ϕ Δ 3w+grnd	200, 208, 220 230, 240	320	-- 740	740 --	-- 740	740 --	-- 980	960 --	-- 1620	1550 --	-- 800	800 --
EQX80 EQX160													
NN400	3 ϕ Δ 3w+grnd	380, 400, 415 440, 480	550	-- 1200	1260 --	-- 1200	1260 --	-- 1580	1620 --	-- 2190	2250 --	-- 1500	1500 --
NN501	3 ϕ Δ 3w+grnd	525, 600	750	-- 1580	1590 --	-- 1580	1590 --	-- 2040	2020 --	-- 2720	2660 --	-- 2000	2000 --
EQX80N EQX160N													
1S101	Split ϕ 3w+grnd	100/200, 110/220 120/240, 127/254	150/300	60 280	110 320	220 380	390 320	540 570	930 490	1010 1160	1350 990	400 400	800 400
3D101	3 ϕ Δ (Hi-Leg) 4w+grnd	120/240	150/300	60 460 60	110 120 460	220 750 430	390 580 750	540 940 940	930 900 940	1010 1310 1290	1350 1350 1310	400 400 800	1500 400 800
3Y101	3 ϕ Y/Star 4w+grnd	100/175, 110/190 120/208, 127/220	150/300	60 280	110 320	220 380	390 320	540 570	930 490	1010 1160	1350 990	400 400	800 400
3Y201	3 ϕ Y/Star 4w+grnd	220/380, 230/400 240/415, 277/480	320/640	60 460	120 580	430 750	550 580	940 940	1710 900	1290 1310	2140 1350	800 800	1500 800
NN201	3 ϕ Δ 3w+grnd	200, 208, 220 230, 240	320	-- 580	110 --	-- 650	430 --	-- 930	960 --	-- 1490	1540 --	-- 800	800 --
NN400**	3 ϕ Δ 3w+grnd	380, 400, 415 440, 480	550	-- 960	130 --	-- 1170	760 --	-- 1630	1670 --	-- 2410	2390 --	-- 1500	1500 --

*Test environment: All tests performed with 6" lead length, positive polarity. Voltages are peak ±10%. Measurements are taken from zero reference per NEMA LS-1.
**EQX80N only.

CE c UL us LISTED 843F ISO 9001