

ACT TransShield 452 Family

A Wall Mounted Surge Protection Device



Power Quality is more important today than ever before and that means not just any surge protector can be relied on to protect your sensitive equipment.

The ACT TransShield 452 type design has been protecting millions of dollars of telecom and commercial equipment for over 20 years and is the perfect product to protect your sensitive electrical and electronic environments.

The TranShield protection products are a cost effective solution for any critical location in the facility from high risk sites (Telecom & Petroleum) to the Point of Use equipment like your computers.

Technical Information

Mechanical Specifications

Dimensions	See Drawing
Weight	1.7 lbs.
Enclosure	NEMA 12 Cast Iron
Operating Temp	-40F to +140F -40C to +65C
Non-condensing Humidity	5% to 95%

Electrical Specifications

Connection Method	Parallel
Protection Modes (10Modes)	L-N, L-G, L-L, N-G
Pre-Wired	18" stranded #10 AWG
Status Indicators	Green LED
Optional Alarm Relay Contacts	Form C NC & NO

Surge Rating per Mode: 040 = 40 kA

Example: ACT 452-120-040 or ACT 452-120Y-R-B

Part Number 455-Voltage-kA Rating	Configuration	Protect Mode	MCOV	SVR
452-120-040	120 Vac, 2W + G	L-N	150	500
		L-G	300	600
452-240-040	240 Vac, 2W + G	L-N	320	800
		L-G	640	1300
452-480-040	480 Vac, 2W + G	L-N	550	1500
		L-G	1200	3000
452-120S-040	120/240 Vac, 3W + G	L-N	150	500
		L-G	300	600
452-240S-040	240/480 Vac, 3W + G	L-N	320	800
		L-G	640	1300
452-120Y-040	120/208 Vac, 4W + G	L-N	150	500
		L-G	300	600
452-277Y-040	120/208 Vac, 4W + G	L-N	150	500
		L-G	300	600
452-240D-040	240/480 Vac, 3W + G, delta	L-N	320	1000
452-240H-040	120/240/480 Vac, 4W + G, hi-leg	L-N	150/400	500/800

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When installed with the ACT Surge Stryker 455 Surge Protection Device, you can count on a front to back facility protection system.

Features and Benefits

- 4 Modes of Discrete Protection (L-N, N-G)
- 10 Modes of Protection (L-N, L-G, N-G, L-L)
- Green Status indicating Lights per phase
- NO/NC Form C Dry Contact option for remote monitoring
- Individually Fused MOV Technology
- 5 -Year Standard Warranty (10 year optional)

Standards Met

- Safety – UL 1449 2nd edition Feb 2007
- ANSI/IEEE C62.41, C62.45
- ANSI/NFPA 70 National Electrical Code

Recommended Location

- Cell Sites, Well Pumps / Cat C
- Distribution Equipment / Cat B
- Branch Panels / Cat B
- Point of Use / Cat A

3rd Party Tested

- Survives 5,000 (C3 6kV / 3kA)

