

HOW TO ORDER: OPD - V / HP / Ph / Hz
Ex.: OPD - 208 / 10 / 3 / 60

Model OPD

UL Listed Disconnecting Device For UL Listed and FM Approved Electric Fire Pump Applications

Main Characteristics

- UL Listed means of disconnecting the fire pump controller from incoming power
- Completely removes the risk of arc flash in the fire pump controller
- Complete overcurrent protection coordination upstream of the fire pump controller
- Acceptable for installation in the U.S.A
- UL Listed for fire pump service as per
 - NFPA70 (NEC): 695.4 (B)(2)(a)(2)
 - NFPA20 9.2.3.4.1
- Alternate Power circuit
 - NFPA70 (NEC): 695.3(F)(2)
- Acceptable for installation in Canada as per
 - Normal power circuit: CEC 32.206 (5)
 - Alternate power circuit: recommended and acceptable alternative to CEC 32.206 (4)

Standard Features

- Suitable as service equipment
- NEMA 2 enclosure
- Flange mounted disconnect handle lockable in the ON (closed) position as per NFPA70 (NEC) 695.4 (B)(3)(a)(2)
- Disconnect markings as per NFPA70 (NEC) 695.4 (B)(3)(c)



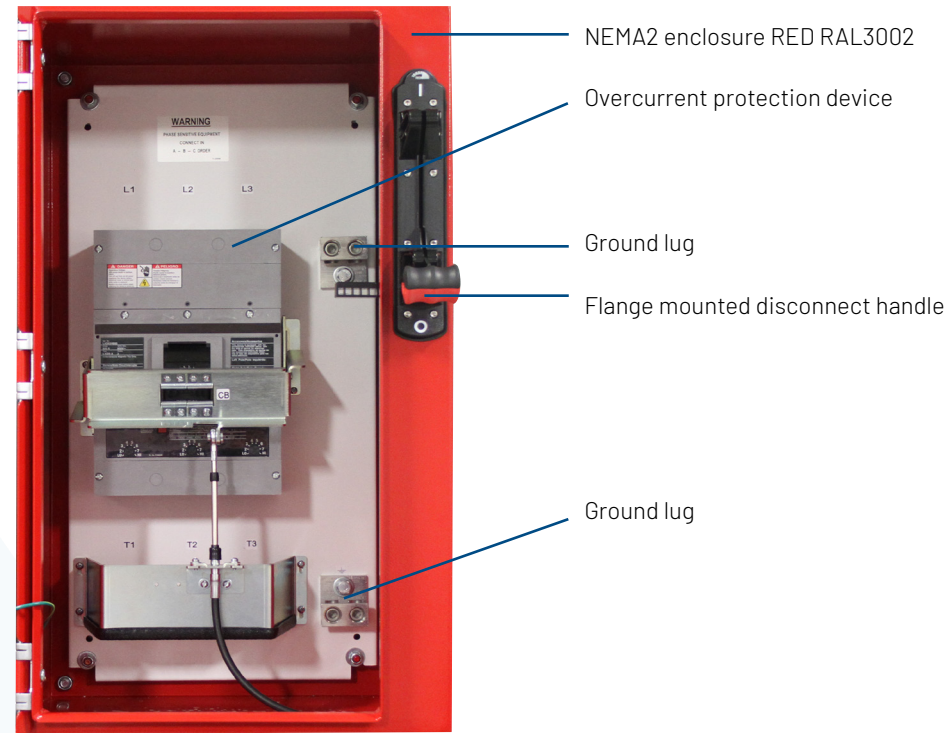
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The Tornatech Model OPD electric fire pump disconnecting device provides a UL listed means of disconnecting and consequently isolating the fire pump controller from incoming power. It also assures complete overcurrent protection coordination upstream of the fire pump controller. The selection of the overcurrent protective device is based on the voltage and horsepower of the electric fire pump motor and the requirements of NFPA70 (NEC) 695.4 (B)(2)(a)(2), NFPA20 9.2.3.4.1 and as a recommended and acceptable alternative for CEC 32-206 (4) and (5).



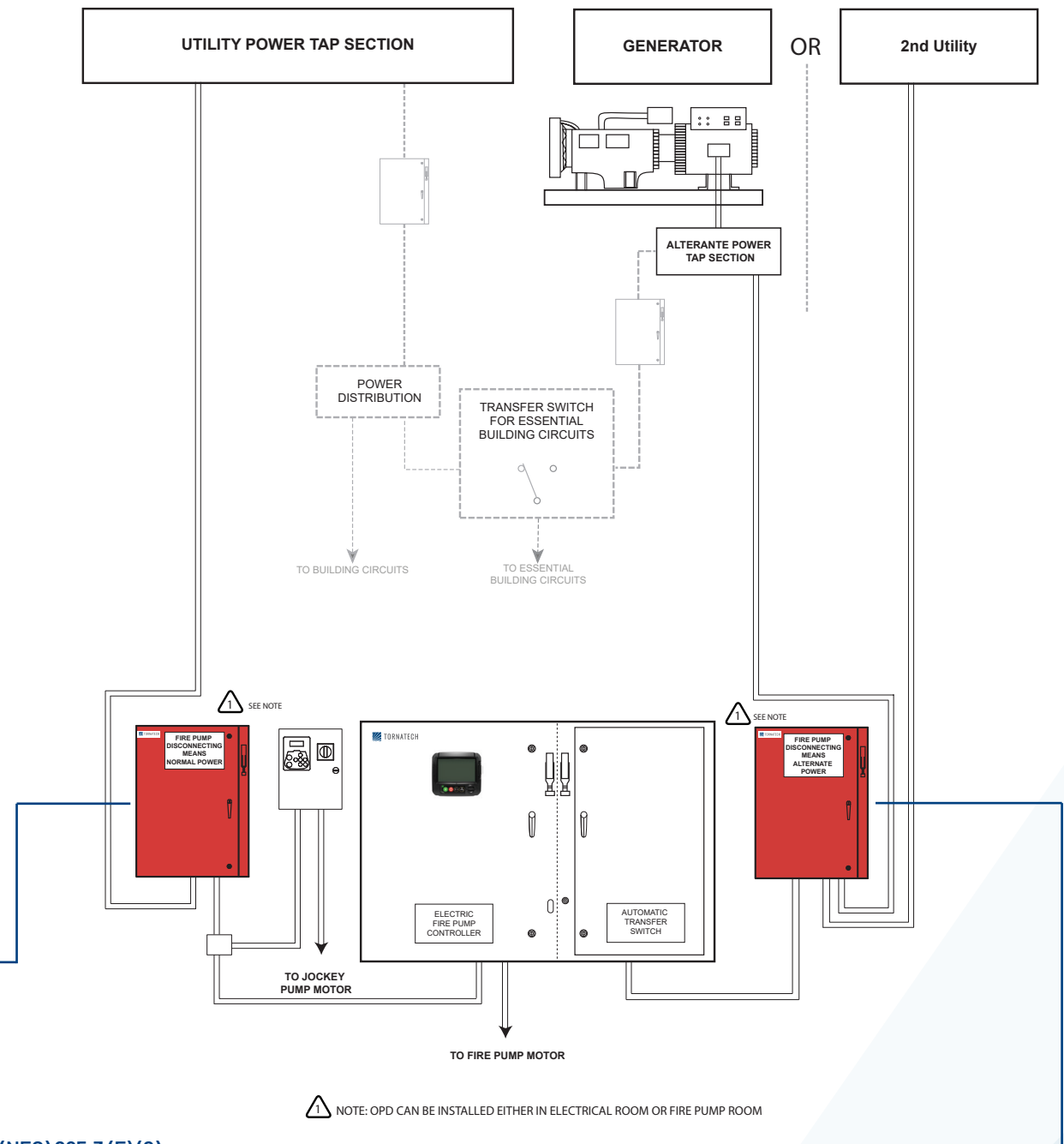
NFPA70 (NEC) 695.4 (B)(2)(a)(2)

Overcurrent protection shall be provided by an assembly listed for fire pump service and complying with the following:

- a. The overcurrent protective device shall not open within 2 minutes at 600 percent of the full-load current of the fire pump motor(s).
- b. The overcurrent protective device shall not open with a re-start transient of 24 times the full-load current of the fire pump motor(s).
- c. The overcurrent protective device shall not open within 10 minutes at 300 percent of the full-load current of the fire pump motor(s).
- d. The trip point for circuit breakers shall not be field adjustable.

OR

Recommended and acceptable alternative to: **CEC 32-206 (5)** Where the circuit breaker conforming to this rule is installed in a normal supply circuit upstream of the fire pump controller, the rating or setting of the circuit breaker shall be not less than the overcurrent protection that is provided integral with the fire pump controller



NFPA70 (NEC) 695.3 (F)(2)

Overcurrent Device Selection

An instantaneous trip circuit breaker shall be permitted in lieu of the overcurrent devices specified in **695.4 (B)(2)(a)(1)**, provided that it is part of a transfer switch assembly for a fire pump service that complies with **695.4 (B)(2)(a)(2)**.

OR

Recommended and acceptable alternative to: **CEC 32.206 (4)** Where the circuit breaker conforming to this Rule is installed in an emergency supply circuit between the emergency power source and the fire pump transfer switch, the rating or setting of the circuit breaker shall comply with Rule 28-200.

