

Fire Mode Operation

This function is used to allow the inverter to ignore minor faults during emergency situations, such as fire, and provides continuous operation to protect other systems, such as ventilating fans. In Fire mode, the inverter continues to operate based on the Fire mode run direction and frequency set at PRT-46 and PRT-47.

NOTE:

- To enable Fire mode first enter password: 3473 at PRT-44
- Note: The VFD must be in test mode to set speed and direction before enabling
- Fire mode operation voids the product warranty.

Protection Group

Group	Number	Description	Parameter Setting	Setting Range	Unit
PRT	44	Fire mode password	3473	-	-
PRT	45	Fire mode setting	0: None	0 None 1 Fire Mode 2 Test Mode	-
PRT	46	Fire mode direction	0: Forward	0 Forward 1 Reverse	-
PRT	47	Fire mode run frequency	60.00	0-max Freq	HZ
PRT	48	Fire mode operation count	0	-	-

Define Input/Outputs

Group	Number	Description	Parameter Setting	Setting Range	Unit
IN	65-71	Digital Input configuration	40: Fire Mode	0-55	-
OUT	31-35	Digital output configuration	27: Fire Mode	0-41	-
OUT	36	TR output configuration	27: Fire Mode	0-41	-

When the multi-function terminal configured for Fire mode is turned on, the inverter ignores all other commands and operates in the direction set at PRT-46 (Fire mode run direction) at the speed set at PRT-47 (Fire mode run frequency). In Fire mode, the inverter ignores any faults, other than 'ASHT,' 'Over Current 1,' 'Over Voltage,' 'Ground F,' and continues to operate. If any of the faults that can stop inverter operation occur, the inverter automatically performs a reset restart to continue the operation.