

<i>Event</i>	<i>Event Recorded on TOA Log</i>	<i>Show on TOA Display As</i>	<i>Action Taken by VM-3240VA</i>	<i>Connections to Devices</i>	<i>Connect to what TOA Terminal</i>
UL 2572 WITH VX-2000DS					
Loss of TOA AC Power	Yes	STANDBY	General Fault Alarm (audible and visual), with log	Internal	DS LINK from VX-2000DS
Aging Battery Monitoring	Yes	FAULT BATTERY	General Fault Alarm (audible and visual), with log	Internal	DS LINK from VX-2000DS
TOA Low Battery	Yes	FAULT CHARGER	General Fault Alarm (audible and visual), with log	Internal	DS LINK from VX-2000DS
TOA Emergency Mode	Yes	EMERGENCY Button is Lit	All non-emergency broadcasts muted.		EMERGENCY STATUS OUT TO STROBE RELAY TRIGGER*
Activate NAC Extender (MNS Strobes)	Yes	EMERGENCY Button is Lit	Triggers NAC Extender (relay), which energizes MNS strobes	EMERGENCY STATYS OUT to NAC Extender (Strobes)	EMERGENCY STATUS OUT TO STROBE RELAY TRIGGER*
Receive Fault input from NAC Extender (MNS Strobes)	Yes	FAULT EXT ERROR (contact #)	General Fault Alarm (audible and visual), with log	Output of NAC Extender (MNS Strobes) to EMERGENCY INPUT 1-6 (programming dependent)	EMERGENCY INPUT 1-6
Terminal Cabinet Door Open TOA Contact	Yes	FAULT EXT ERROR (contact #)	General Fault Alarm (audible and visual), with log	Addressable output module to EMERGENCY INPUT 1-6 (programming dependent)	EMERGENCY INPUT 1-6
CAN/ULC-S576 WHEN USING A UPS IN ADDITION TO ABOVE					
Loss of UPS AC Input	Yes	INPUT #	All non-emergency broadcasts muted.	Addressable output module to GENERAL INPUT	GENERAL INPUT (Programmed to "Highest priority")
Loss of UPS output to TOA Equipment	Yes	FAULT EXT ERROR (contact #)	General Fault Alarm (audible and visual), with log	Addressable output module to EMERGENCY INPUT 1-6 (programming dependent)	EMERGENCY INPUT 1-6
Low UPS Battery	Yes	FAULT EXT ERROR (contact #)	General Fault Alarm (audible and visual), with log	Addressable output module to EMERGENCY INPUT 1-6 (programming dependent)	EMERGENCY INPUT 1-6
* Strobes and associated NAC(s) for visual notification must be installed by a qualified Fire Alarm installer.					

Event	Event Recorded on TOA Log	Show on TOA Display As	Connect to what TOA Terminal	Connections to Devices	Event Recorded on FACP Log	Show on FACP Display As	Action Taken by FACP	Action Taken by TOA	Addressable Module NAC Type	Notes
UL 2572 WITH VX-2000DS										
Loss of TOA AC Power	Yes	STANDBY	FAULT STATUS OUT	DS LINK	Yes	TOA Trouble	Show MNS Trouble on Display	General Fault Alarm (audible and visual), with log	In	
Aging Battery Monitoring	Yes	FAULT BATTERY	FAULT STATUS OUT	DS LINK	Yes	TOA Trouble	Show MNS Trouble on Display	Battery Fault alarm (audible and visual), with log	In	
TOA Low Battery	Yes	FAULT CHARGER	FAULT STATUS OUT	DS LINK	Yes	TOA Supervisory	Show MNS Trouble on Display	Charger Fault alarm (audible and visual), with log	In	
TOA Charging System Fault	Yes	FAULT DS	FAULT STATUS OUT	DS LINK	Yes	TOA Trouble	Show MNS Trouble on Display	DS Fault alarm (audible and visual), with log	In	
TOA Emergency Mode	Yes	EMERGENCY	EMERGENCY STATUS OUT	VM LINK	Yes	MNS Emergency	Open relay modules in series with NAC's, etc. Activate output module(s)	All non-emergency broadcasts muted.	In	
Terminal Cabinet Door Open TOA Contact	Yes	SHOWS PROGRAMMED CONTACT #	PROGRAMMED CONTROL INPUT		No			Log event	Out	
Terminal Cabinet Door Open FACP Contact		NONE	NONE		Yes	FACP Supervisory		None	In	
FACP Alarm Relay Module (when MNS is highest priority)							In response to TOA emergency mode, open relay modules in series with NAC's, etc.	System goes to Emergency Mode and programmed messages are broadcast	Relay	See note below for placement of relay modules
FACP Supervisory Alarm	Yes	FAULT EXT ERROR (contact #)	EMERGENCY INPUT 1-6 (Programming Dependent)	Alarm relay module (NO) to EMERGENCY INPUT 1-6	Yes	FACP Supervisory	Display Supervisory Status	Log event	Out	
FACP Trouble	Yes	FAULT EXT ERROR (contact #)	EMERGENCY INPUT 1-6 (Programming Dependent)	Alarm relay module (NO) to EMERGENCY INPUT 1-6	Yes	FACP Trouble	Display Fault	Log event	Out	
Activate NAC Extender (MNS Strobes)	Yes	EMERGENCY	EMERGENCY STATUS OUT	NAC Extender NAC sense in (NO) and AUX power (+) (COM).	NA	NA	NA	Triggers NAC Extender (relay), which energizes MNS strobes	NAC Relay	Triggers Strobe NAC (if required)
Receive Fault input from NAC Extender (MNS Strobes)	Yes	FAULT EXT ERROR (contact #)	EMERGENCY INPUT 1-6 (Programming Dependent)	NAC Extender trouble relay (NO) to GENERAL INPUT	NA	NA	NA	Show Error on LCD. Log event	NAC Fault Output	Alerts MNS if there is a problem with the NAC
Reset MNS (when Fire is highest priority)	Yes	INPUT #	EMERGENCY INPUT 1-6 (Reset) GENERAL INPUT (Programmed to "Highest priority")	FACP Alarm Relay Module (NO) to EMERGENCY INPUT 1-6 and GENERAL INPUT	Yes	Alarm	All Fire Alarm notification devices energized	All MNS messages Reset. Input must be programmed to "Reset". Emergency mode still in effect to Reset all other input sources.	NAC Relay	
Relay Connection to MNS Strobe/Horn Control	NA	NA	NA	NAC Extender to Strobe/Horn Control	NA	NA	NA	Triggers NAC Extender (relay) from Status Output, which energizes MNS strobes	Relay	
CAN/ULC-S576 WHEN USING A UPS IN ADDITION TO ABOVE										
Loss of UPS AC Input	Yes	INPUT #	GENERAL INPUT (Programmed to "Highest priority")	Addressable output module to GENERAL INPUT	Yes	FACP Supervisory	Show MNS UPS Trouble on Display	All non-emergency broadcasts muted.	In	Addressable input module and MNS contact closure are in parallel
Loss of UPS output to TOA Equipment	Yes	FAULT EXT ERROR (contact #)	EMERGENCY INPUT 1-6 (Programming Dependent)	Addressable output module to EMERGENCY INPUT 1-6 (programming dependent)	Yes	FACP Supervisory	Show MNS UPS Trouble on Display	Show Error on LCD. Log event	In	Addressable input module and MNS contact closure are in parallel
Low UPS Battery	Yes	FAULT EXT ERROR (contact #)	EMERGENCY INPUT 1-6 (Programming Dependent)	Addressable output module to EMERGENCY INPUT 1-6 (programming dependent)	Yes	FACP Supervisory	Show MNS UPS Trouble on Display	Show Error on LCD. Log event	In	Addressable input module and MNS contact closure are in parallel
<p>Note: If the Fire Alarm audible and visual notification appliances are able to be programmed to operate independently, the Fire Alarm audible notification will stop when the VM-3240VA goes into Emergency mode, and visual notification appliances will continue until the VM-3240VA Emergency status is cleared.</p> <p>Relay modules shall be in series with each FACP NAC and each relay is to be wired between the output of the panel and the first device to disconnect all strobes and horns.</p> <p>All terminations to addressable input modules, NACs, etc. must be done by a qualified Fire Alarm Installer</p>										