

# FIRE ALARM SYSTEM SYMBOL GUIDANCE (ADAPTED FROM NFPA 170)

1. THE INTENTION OF THIS GUIDANCE IS TO PROVIDE GREATER CLARITY TO FIRE ALARM SYSTEM DESIGN AND SHOP DRAWINGS.
2. IT IS REQUESTED THAT FIRE ALARM DESIGNS BE SHOWN ON THEIR OWN SHEETS (AS OPPOSED TO BEING PRESENTED ON SHEETS WITH OTHER ELECTRICAL SYSTEMS).
3. PLEASE USE THE SYMBOLS SHOWN IN THE CHART IN LIEU OF THE CORRESPONDING SYMBOL AS SHOWN IN NFPA 170.
4. FOR SYMBOLS NOT SHOWN IN CHART BELOW, PLEASE USE THE SYMBOLS SHOWN IN NFPA 170.
5. LETTERING HEIGHT SHALL BE AT LEAST 1/8" ON PLANS (SYMBOLS BELOW ARE TO THIS SCALE).
6. NEW EQUIPMENT SHALL BE SHOWN USING A SOLID LINE. EXISTING EQUIPMENT SHALL BE SHOWN USING A DASHED LINE. EQUIPMENT TO BE DEMOLISHED SHALL BE NOTED ACCORDINGLY AND SPECIFICALLY.

## NFPA 170 SYMBOL GUIDE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL UNIT		ADDRESSABLE INPUT/OUTPUT MODULE N DENOTES NUMBER OF INPUTS AND OUTPUTS
	FIRE ALARM TERMINAL CABINET N=TRANSPONDER NUMBER		ADDRESSABLE CONTROL MODULE
	FIRE SUPPRESSION CONTROL PANEL N DENOTES SUPPRESSION TYPE		GAS DETECTOR X=GAS TYPE (EX. CO FOR CARBON MONOXIDE)
	GRAPHIC ANNUNCIATOR PANEL		HEAT DETECTOR/SENSOR X=TYPE
	DIGITAL ALARM COMMUNICATOR TRANSMITTER		PROVIDE BOX, AS SHOWN, TO DENOTE COMBINATION DETECTORS
	FIRE ALARM ANNUNCIATOR		HEAT DETECTOR LINE TYPE
	PRINTER		PULL STATION/FIRE ALARM
	REMOTE VOICE EVACUATION VOICE EVACUATION MICROPHONE		SMOKE DETECTOR/SENSOR (DEFAULT PHOTOELECTRIC TYPE)
	FIRE SERVICE OR EMERGENCY PHONE STATION		SMOKE DETECTOR - IONIZATION TYPE (ION)
	WATER FLOW SWITCH		SMOKE ALARM (SINGLE STATION)
	LOW TEMPERATURE SWITCH		SMOKE ALARM (MULT. STATION)
	HIGH PRESSURE SWITCH		DETECTOR WITH SOUNDER BASE (SB)
	MAIN/RESERVE		DETECTOR - MULTI CRITERIA TYPE (MC)
	PRESSURE DETECTOR/SWITCH		DUCT SMOKE DETECTOR (NFPA 72, SECTION 17.7.5.5)
	VALVE SUPERVISORY SWITCH		AUDIBLE ONLY APPLIANCE (WALL MOUNTED)
	ABORT SWITCH		VISUAL ONLY APPLIANCE (WALL MOUNTED)
	MANUAL RELEASING STATION		AUDIBLE/VISUAL APPLIANCE (WALL MOUNTED)
	ADDRESSABLE INPUT MONITOR		VISUAL ONLY APPLIANCE (CEILING MOUNTED)
	AUDIBLE ONLY Low Frequency (WALL MOUNTED)		AUDIBLE ONLY APPLIANCE (CEILING MOUNTED)
	AUDIBLE ONLY Low Frequency (CEILING MOUNTED)		AUDIBLE/VISUAL APPLIANCE (CEILING MOUNTED)
	AUDIBLE/VISUAL Low Frequency (WALL MOUNTED)		END OF LINE RESISTOR
	AUDIBLE/VISUAL low frequency (CEILING MOUNTED)		BDAA ERRCS PANEL
	ERRCS SPLITTER		ERRCS ANTENNA
	ERRCS TOWER		ERRCS SHUT OFF SWITCH