

AES RADIO INSTALLATION SUMMARY MERIDIAN TOWN CENTER

INSTALLATION OF NEW AES 7707P-88-UPL FIRE RADIO
@ 13410 MERIDIAN AVE E. SUITES 1-8 PUYALLUP, WA 98373

CONNECTED TO EXISTING:

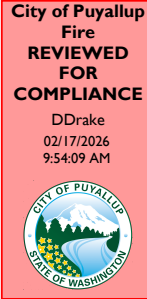
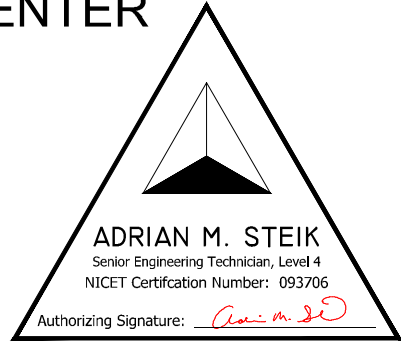
AES TROUBLE OUTPUT CONNECTED TO EXISTING SYTEM
BY THE FOLLOWING METHOD: ZONE EXISTING ON PANEL

ACCT# 85-5449 C/S: NORTHWEST ALARM RADIO

FACP: VISTA 100 NETCOM: 5 WITH 6-7 GOOD PATHS

7067 INTELLITAP: YES 7770 FIRETAP: NO

DEDICATED BREAKER: PANEL#: PL IN ER CKT#: 2

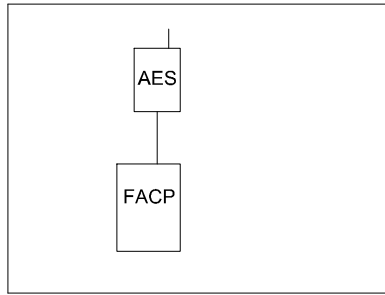


UHF Antenna Options (450-480 MHz)				
	Antenna dB	Construction	Usage	Length
<input checked="" type="checkbox"/>	2.5 dB Case Top Flex Tamper Resistant ^(1 & 2)	Vinyl Clad	Indoor	11 in.
<input type="checkbox"/>	3 dB Stealth (Not Shown Below) ⁽³⁾	Vinyl Clad	Indoor	1.5 ft.
<input type="checkbox"/>	3 dB Standard Gain ^(4 & 5)	Steel Mast	Indoor	1.5 ft.
<input type="checkbox"/>	5 dB High Gain ⁽⁴⁾	Steel Mast	Indoor	3 ft.
<input type="checkbox"/>	6 dB Rugged High Gain ⁽⁴⁾	Fiberglass Mast	In/Outdoor	4.5 ft.
<input type="checkbox"/>	7 dB Rugged Higher Gain ⁽⁴⁾	Fiberglass Mast	In/Outdoor	6 ft.
<input type="checkbox"/>	9 dB Central Station High Gain ⁽⁴⁾	Fiberglass Mast	In/Outdoor	6 ft.

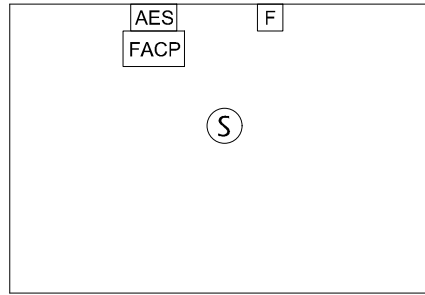
- Notes:
1. This antenna was evaluated by UL and approved for use in a UL 864 Edition 9 system.
 2. Included standard Tamper Resistant antenna, mounts on Alarm Unit's enclosure. Includes cable.
 3. Mounts in attics, vents, walls, behind drapes, ect. Includes 10-foot cable.
 4. Requires cable (See Section 1.10). Usually requires user supplied mounting hardware such as a pole with mounting brackets/hardware.
 5. Antenna is intended for outdoor use, supplied mount is intended for indoor use as coax connection is exposed. To use outdoors, connection must be sealed with a suitable product such as a self-fusing tape to protect against moisture.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.



FACP/RDACT LAYOUTS



FACP ROOM LAYOUT w/ DETECTOR



Battery Capacity Calculator Instructions:
 1) Select the AES product from the AES Product field.
 2) Select if Ethernet Cable is required during normal operation. This only applies to 2.0 subscribers.
 3) Enter the # of hours of backup time required. AES products are UL listed for 24 hours operation on battery backup.
 4) The calculator will return the recommended battery capacity.

AES Product	Ethernet Cable Required						
7707P-88-UPL-M	Yes						
Standby Current (Amps)	Ethernet Current (Amps)	Total Standby Current (Amps)	Alarm/Transmit Current (Amps)	QTY	Total Alarm Current (Amps)		
0.348	0.015	0.363	0.868	1	0.868		
Total Standby Current (Amps)		0.363	Total Alarm Current (Amps)		0.868		
# Hours Backup Time	Standby Current (Amps)	Required Standby Capacity (Amp-Hours)	Required Alarm Time (Hours)	Alarm/Transmit Current (Amps)	Required Alarm Capacity (Amp-Hours)		
24	0.363	8.7	0.25	0.868	0.2		
Required Standby Capacity (Amp-Hours)	Required Alarm Capacity (Amp-Hours)	Total Required Backup Capacity (Amp-Hours)					
8.7	0.2	8.9					
Total Required Backup Capacity (Amp-Hours)	Recommended Safety Factor	Recommended Minimum Battery Capacity (Amp-Hours) ^{***}					
8.9	120%	10.7					

^{***} The battery requirements presented here are only AES recommendations. For UL listed battery requirements please read the product Installation and Operation Manual.