PROJECT MANUAL GUIDE SPECIFICATIONS FOR PFANNENBERG MODEL PY X-M FLASHING STROBE LIGHTS

PART 1 – GENERAL

1.1 SUMMARY

A. Visual and audible signaling devices for alarm, warning, and indication are used to promote safety to personnel, create efficiency in movement of people and materials, and report operating status of machinery and processes.

1.2 SECTION INCLUDES

A. Horns, Strobes, Sounders, Flashing Sounders, Signal Towers, LED Beacons, Traffic Lights, Buzzers, and Loudspeakers as scheduled in this section and as indicated on the drawings.

1.3 SUBMITTALS

A. Product Data: Submit the following manufacturer's documentation for each product specified.
   1. Catalog specifications and outline drawings.
   2. Installation and operating instructions.
   3. Certifications to substantiate necessary agency approvals.
B. Manufacturer Warranty
   1. Manufacturer's warranty for Strobes, LED Beacons, Sounders, and Flashing Sounders. Manufacturer's standard 10-year warranty for PYRA Series Strobe Lights, PATROL Series Sounders, PATROL Series Flashing Sounders, DS Series Sounders, Quadro Series Strobe Lights, Quadro Series LED Beacons, and Quadro Series Traffic Lights.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design and Support: To ensure uniformity of operation, standardization of signal types, quality of construction, standard 10-year warranty term, and worldwide localized support, specifications are solely based, wherever practical, on the products of Pfannenberg Inc. www.pfannenbergusa.com.
B. Substitution: Products of a similar nature from other manufacturers may be considered only when performance capabilities, mounting and installation capabilities, environmental use and survivability ratings, operational certifications, and 10-year warranty terms are fully met or exceeded.

2.2 PERFORMANCE / DESIGN CRITERIA

A. Visual Alarm. Model PY X-M Flashing Strobe Light – with (pick one) 5 or 10 Joule flash energy. As part of the PYRA series of flashing strobe lights, this unit is capable of generating a high intensity, flashing light output. The unit has been designed for quick and easy installation with 3/8-turn captive

fasteners and features a keyway in the housing to ensure that an incorrect assembly is not possible. All electrical connections are made at a terminal strip in the back box to eliminate the possibility of wires being pinched to ensure a safe installation. The unit takes advantage of specialized components to maximize its useable lifespan.

1. Strobe Light Flash Energy (pick one): 5 Joules (max 44 cd light intensity) or 10 Joules (max 118 cd light intensity).
2. Strobe Light Flash Rate: 0.1, 0.5, 0.75, 1 Hz (adjustable by DIP switch setting).
3. Strobe Light Service Life (for >70% light emission): 8 million flashes.
4. Strobe Light Lens Color (pick one): clear, white, yellow, amber, red, green, blue.
5. Operating Voltage Range (pick one): 10 to 60 VDC; 18 to 30 VAC; 90 to 135 VAC; 187 to 255 VAC.
6. Housing Color (pick one): Red (RAL 3000); Light Grey (RAL 7035); White (RAL 9003).
7. Operating Temperature Range: -40 to +131 °F (-40 to +55 °C).
8. Dimensions: 4.9 inch (124 mm) h x 6.5 inch (166 mm) w x 4.5 inch (114 mm) d.
9. Housing Material: Injection-molded, flame-retardant and UV-resistant blend of ABS and polycarbonate.
10. Impact Rating: IK 08
11. Ingress Protection: IP 66, UL Type 4/4X.
12. Gasket Type: Permanently attached "poured-in-place".
13. Enclosure Fasteners Included: 3/8-turn captive screws.
14. Agency Approvals Included (pending): UL; cUL; CE; VdS, EN54-23.
15. Warranty Period: 10 years.
16. Optional Features and Accessories (include only if desired).
    a. Tamper Resistance (optional): Tamper-proof fastener plugs.
    c. Surface Mount Gasket (optional).
    d. Panel Mount Kit (optional).
    e. Enclosure Coupler (optional).

2.3   VISUAL ALARMS SCHEDULE
    A. Pfannenberg Model PY X-M Flashing Strobe Light.

PART 3 – EXECUTION

3.1   INSTALLATION
    A. Install products in strict compliance with manufacturer's written instructions and recommendations.

END OF SECTION

CSI Master Format Sections for which this product may be applicable include the following:

25 35 00 Integrated Automation Instrumentation and
     Terminal Devices for HVAC
      25 35 13 Integrated Automation Actuators and
        Operators
      25 35 16 Integrated Automation Sensors and
        Transmitters
25 38 00 Integrated Automation Instrumentation and
     Terminal Devices for Electronic Safety and
     Security Systems
25 58 00 Integrated Automation Control of Electronic
     Safety and Security Systems
26 06 00 Schedules for Electrical
      26 06 20.13 Electrical Switchboard Schedule
      26 06 20.16 Electrical Panelboard Schedule
      26 06 20.19 Electrical Motor-Control Center
        Schedule
26 24 00 Switchboards and Panelboards
      26 24 13 Switchboards
      26 24 16 Panelboards
      26 24 19 Motor-Control Centers
26 27 00 Low-Voltage Distribution Equipment
      26 27 16 Electrical Cabinets and Enclosures
      26 27 73 Door Chimes
26 29 00 Low-Voltage Controllers
      26 29 13 Enclosed Controllers
      26 29 13.13 Across-the-Line Motor Controllers
      26 29 13.16 Reduced-Voltage Motor Controllers
      26 29 23 Variable-Frequency Motor Controllers
      26 29 33 Controllers for Fire Pump Drivers
      26 29 33.13 Full-Service Controllers for Fire
        Pump Electric-Motor Drivers
      26 29 33.16 Limited-Service Controllers for Fire
        Pump Electric-Motor Drivers
      26 29 33.19 Controllers for Fire Pump Diesel
        Engine Drivers

26 55 00 Special Purpose Lighting
      26 55 33 Hazard Warning Lighting
      26 55 36 Obstruction Lighting
      26 55 53 Security Lighting
28 06 00 Schedules for Electronic Safety and Security
      28 06 30 Schedules for Electronic Detection and
        Alarm
28 26 00 Electronic Personal Protection Systems
      28 26 16 Electronic Personal Safety Alarm
        Annunciation and Control Systems
28 30 00 Electronic Detection and Alarm
28 31 00 Fire Detection and Alarm
      28 31 63.13 Fire Alarm Horns and Strobes
28 32 00 Radiation Detection and Alarm
      28 32 23 Radiation Detection and Alarm
        Integrated Audio Evacuation Systems
28 33 00 Gas Detection and Alarm
      28 33 23 Gas Detection and Alarm Integrated
        Audio Evacuation Systems
28 34 00 Fuel-Oil Detection and Alarm
      28 34 23 Fuel-Oil Detection and Alarm
        Integrated Audio Evacuation Systems
28 35 00 Refrigerant Detection and Alarm
      28 35 23 Refrigerant Detection and Alarm
        Integrated Audio Evacuation Systems
28 36 00 Water Detection and Alarm
      28 36 43 Building Envelope Water Detection
        and Alarm
      28 39 00 Mass Notification Systems