Water Leak  
Detection System

Water Leak Monitoring

PART 1 – GENERAL

1. RELATED DOCUMENTS
   1. Drawings and general provisions of the Contract, including General and Supplementary General Conditions and other Division 01 Specification Sections, apply to this Section
   2. The system shall include, but not limited to the following:
      1. Future expandability
      2. Central control and monitoring panel
      3. LED system status indicator
      4. BMS/BAS relay
      5. In-built audible and visual alarms
      6. Output for remote audible & visual alarm strobes
      7. Manual re-set after alarm condition
      8. Mute functions
2. PRODUCTS
   1. Water Leak Monitor (S&S Middle East WLM)
      1. 24V or 230VAC Powered
      2. LED Indication of Status
         1. Alarm Status
         2. Water On Status
      3. Outputs Must Meet or Exceed Specs as Listed Below
      4. BMS Relay Output
         1. NC/COM/NO, max 3A @ 230V
      5. Strobe Relay Output
         1. NC/COM/NO, max 3A @ 230V
      6. Local activation of audible and visual alarms of 60 dBa @ 1m
      7. Manual reset function to clear any alarm conditions
      8. Sensitivity adjustment of sensing attachments
      9. Mute reset function to clear any alarm conditions
      10. Acceptable products: S&S Middle East WLM

Delete below water leak sensor options as required.

* 1. Water Leak Sensing Cable (S&S Middle East WLMC 2 Core)
     1. Pre-defined lengths as stated by the manufacturer.
     2. Cable must be a quick drying type for re-use after water leak detection.
     3. Must include a 2m lead cable as a minimum.
     4. Manufacturer must have the option to include 4 core cable for fault detection, indicating faulty cables or incorrect wiring.
     5. Acceptable products: S&S Middle East WLMC
  2. Water Leak Sensing Cable (S&S Middle East WLMFC 4 Core)
     1. Pluggable ropes with male and female plug ends for expandability and adaptability.
     2. Tee attachments for multiple branches from one controller.
     3. Cable must be a quick drying type for re-use after water leak detection.
     4. Must include a 2m lead cable as a minimum.
     5. Acceptable products: S&S Middle East WLMFC
  3. Water Leak Puck Type (S&S Middle East WLMP)
     1. Must be able to connect to 8 pucks to the main water leak detection controller.
     2. Lead wire may be extended up to 30m.
     3. Must be ABS material.
     4. Acceptable products: S&S Middle East WLMP

PART 3 – EXECUTION

* 1. INSTALLATION
     1. Sensors must be installed in compliance with the manufacturer's guidelines.
     2. Install wiring and conduit to prevent interference with other systems.
     3. Ensure accessibility for future sensor maintenance and calibration.