**GENERIC SYSTEM DIAGRAM – EXTERIOR INGROUND SERIES**

**DMX Channels**

<table>
<thead>
<tr>
<th>Mode</th>
<th>RAW</th>
<th>RGB/HSI</th>
<th>HSIC/ICMY</th>
<th>CT</th>
<th>Fixtures/Univers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ext. Inground 400/410</td>
<td>4 ch</td>
<td>3 ch</td>
<td>4 ch</td>
<td></td>
<td>128/170/128 pcs</td>
</tr>
<tr>
<td>Ext. Inground 420</td>
<td>2 ch</td>
<td>-</td>
<td>-</td>
<td>2 ch</td>
<td>256/256 pcs</td>
</tr>
</tbody>
</table>

**Power and data connector**

- **Power conductors:**
  - Live or L: Black
  - Neutral or N: White
  - Earth or Ground: Green

- **Cables:**
  - D - DMX CABLE
  - F - FIBER OPTIC CABLE (PROVIDED BY OTHERS)
  - H - HYBRID CABLE (PROVIDED BY MARTIN)
  - P - POWER CABLE

- **Data conductors:**
  - Wire: Shielded, Input pair: Signal: DMX in +, DMX in -
  - Male XLR pin: Pin 1, Pin 3, Pin 2
  - Female XLR pin: Pin 1, - , - , Pin 3, Pin 2

**Accessories:**

- Installation sleeve for Inground 400: P/N 91611841
- Installation Lid for flush mount top ring installations: P/N 91616086
- Installation Lid for beveled top ring installations: P/N 91616087

**Exterior Inground 400**

- Inground 4xx, new install: P/N 90507100HU
- Inground 4xx, replacement (for existing Inground 200 installations): P/N 90507150HU

- No top ring or top glass:

- Exterior Inground 400 is fully configurable - please refer to order specification sheet on website for guidelines for options and configuration code

- The maximum permitted length of cables is determined by the installer, based on cable types and mains power.
- According to the DMX standard a chain should not exceed 32 fixtures.

- AC mains power at 100 - 277 V nominal, 50/60 Hz
- Typical half-cycle RMS inrush current: 10.6 A
- The fixtures are delivered with:
  - 1.8 m (5.9 ft.) cable tail without connector of mains power
  - 1.8 m (5.9 ft.) open ended 5-conductor combined input + output cable tail for DMX

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- **DMX Source**

- **Outdoor rated Junction Box**
  - Must comply with local regulations

- **Ext. Inground 400**
  - To next line of fixtures (5 outputs per Martin DMX/RDM Splitter)

- **Indoor**

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