



# DEFENDER

## ANTI-RAM BOLLARDS



Defender anti-ram bollards combine an *open aesthetic appearance* with the highest level of perimeter control. These *crash tested bollards* provide free movement of pedestrians and are available in a *variety of operating configurations*. Utilizing the highest cycle duties available, the Defender security bollards are an economical and effective way of protecting any entry.



### SECURITY ADVANTAGES

- *Defender bollards offer low operating and maintenance costs and are ideal for securing entrances where installing larger systems could become price prohibitive*
- *Deployment rate of only one second when EFO (emergency fast operation) control is added to this system*
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## ANTI-RAM BOLLARDS

### HYDRAULIC RISING BOLLARDS

#### STANDARD FEATURES

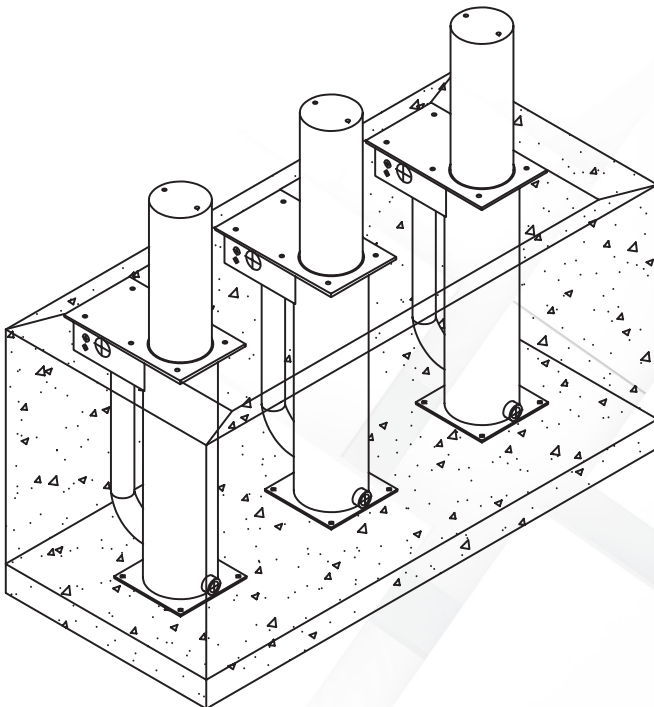
- Barrier-Down Position Sensor
- Powder Coat Finish
- Weather Proof HPU Enclosure
- 5 HP Hydraulic Power Unit
- Hydraulic Oil Filter
- Low/High Oil Temp Sensor
- 208-240 VAC / 60 HZ / 3-Phase
- Voltage Circuit Protection
- Single Manual Reserve Cycle
- Manual Hand Pump
- PLC Color Touch Screen Controls
- HMI PLC & Programming
- 2 Input / 2 Output Per Zone
- Integrated Traffic Arm or Sliding Gate
- Selectable Loop Programming
- Maintenance Operating Screen

#### OPTIONAL FEATURES

- Main Operator Control Panel - Touch/Push-button
- Remote Operator Control Panel - Touch/Push-button
- Barrier-Up Position Sensor
- 7.5 HP or 10HP Hydraulic Power Unit
- Hydraulic Oil Heater / Cooler
- Emergency Fast Operation (EFO)
- Single Channel Vehicle Detector Module
- Battery Backup
- Traffic Signal Lights
- Wrong Way and Over Speed Detection
- HPU Enclosure Tamper Switches, Strobe Light & Horn
- HPU Enclosure Convenience Light, A/C Unit & Custom Finish
- Custom Painted Finish or Decorative Sleeve

#### ELECTRICAL OPTIONS

- 460-480 VAC / 60HZ / 3-PHASE



#9830 | REVISED 08/2020