

PYLON CONTROL UNIT (PCU)



Blue Hat Solutions

Line Replaceable Unit (LRU), installed inside BH-ERU Pylon for enabling interface with MIL-STD-1760 based smart weapons.

Benefits:

- Robust design
- Extensive Safety Features
- Adaptive Configuration
- Highly Reliable/Durable
- Type approved by Indian CEMILAC

Parameters	Details
Dimension	≈ 188 x 90 x 65 mm
Weight	< 2 kg
Voltage Rating	28 V & 48 V
Current Rating	100 mA
Operating Time	< 10 msec
Temperature	-40°C to +71°C
Altitude	60,000 ft

Features:

- Communicates with Aircraft Weapon Control System (WCS), Pylon sub-systems and Missile
- Transmits/Receives Power and Discrete Control Signals
- Controls Station (Missile to be fired) selection and Missile Power-on/Preparation
- Controls Tactical Firing of weapon only after receiving Intent-To-Launch-Return (ITLR) signal from Missile
- Ensures immediate and safe jettison of Missile in Emergency situations
- Qualified for MIL-STD-810G and MIL-STD-461G Compliance

