

# PCI105 Series 50 to 60 Hz Frequency Switching Modules

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## 1 OVERVIEW

The PCI105 Series Power Control Interface 50 – 60 Hz switching modules provide the ability to switch from 50 to 60 Hz generator frequency when combined with any ESD5100, ESD5200 or ESD5500 series controller.

Each module is designed to be used with a specific number of engine flywheel teeth:

- **PCI105** - 158 teeth
- **PCI105-2** - 138 teeth (special order)

Each PCI105 features two potentiometers which allow you to independently adjust speed and / or frequency. This module is popular with rental fleets serving US and international markets.

- Powered by a 10 volt output from the controller's Terminal P
- Multi-V DC
- Pairs perfectly with ESD5100, ESD5200 or ESD5500 Series Speed Controllers
- 1500 rpm /50 Hz alternator = 3450 Hz Speed Control Signal Input to Controller
- 1800 rpm / 60 Hz Alternator = 4150 Hz Speed Signal Input to Controller
- Optional toggle switch capable.



## 2 SPECIFICATION

DC SUPPLY VOLTAGE	
DC supply range to Terminal P (+) and G (-)	10 V DC +/- 0.1
DC supply current into Terminal P	10 uA maximum, 7 uA typical
PHYSICAL	
Dimensions	2.20 x 2.75 in [55.9 x 69.8 mm]
ENVIRONMENTAL	
Temperature Range	-40 to 185°F [-40 to +85°C]
Ambient Temperature	-40 to 180°F [-40 to 80 °C]
Relative Humidity	Up to 95%
All Surface Finishes	Fungus Proof and Corrosion Resistant