

AMIKON TECHNICAL INTELLIGENCE

Installation Instructions

Honeywell CC-PSP401 / 51454122-175
Series C Speed Protection Module

01 CONFIRM THE ORDERED CONFIGURATION

Module	CC-PSP401
Part number	51454122-175
Function	Series C speed protection
Compatible IOTA	CC-TSP411 redundant
Channel count	26
Voting	2-out-of-3 speed and acceleration

02 BEFORE INSTALLATION

- De-energize the Series C cabinet using the controlled plant procedure.
- Confirm the exact module, IOTA and terminal-block configuration.
- Verify active or passive sensor types and 24 V field supplies.
- Review voting groups, trip limits and shutdown logic.
- Inspect connectors and IOTA seating before insertion.

03

OFFICIAL IOTA AND TERMINAL REFERENCE

The official Honeywell reference below identifies the redundant CC-TSP411 Speed Protection IOTA and its terminal-block arrangement.

5.16 Speed Protection Module IOTA Model CC-TSP411

The Series C Speed Protection Module (SPM) IOTA board is represented by the following information and graphic.

Series C SPM 18 inch, redundant IOTA is displayed.

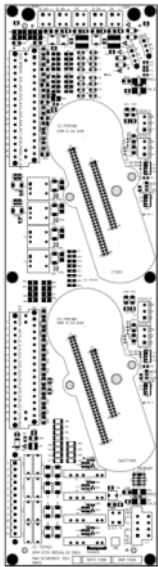


Figure 62: Series C Speed Protection Module 18 inch, redundant IOTA

To properly wire your module to the Series C Speed Protection Module (SPM) IOTA board with terminal block 1 (TB1), terminal block 2 (TB2), and terminal block 3 (TB3) use the following table.

Table 60: SPM 18 inch, redundant - terminal block 1

Terminal Number	Signal Name	Signal Name and Description
1	AI1+	Analog Input Positive - Channel 1
2	AI1-	Analog Input Negative - Channel 1
3	AI1 24V	Analog Input 24V Supply - Channel 1
4	AI2 24V	Analog Input 24V Supply - Channel 2
5	AI2+	Analog Input Positive - Channel 2
6	AI2-	Analog Input Negative - Channel 2
7	AI3+	Analog Input Positive - Channel 3
8	AI3-	Analog Input Negative - Channel 3

04 WIRING AND COMMISSIONING

- Wire analog, passive-speed, active-speed and digital inputs to the assigned terminals.
- Observe signal polarity and field-supply connections.
- Verify relay contact assignment before connecting shutdown circuits.
- Load only the approved Series C configuration and trip settings.
- Test sensor response, voting and relay action before placing equipment in service.

05 CONTROLLED DOCUMENTS

Official source	Honeywell Series C I/O User Guide
Module	CC-PSP401 / 51454122-175
IOTA	CC-TSP411
Support	INFO@AMIKON.CN