

Allen-Bradley - PLC-5

1771-NIS/C

High-Resolution Isolated Analog Input Module**Technical specifications**

Official catalog number	1771-NIS
Hardware series	Series C
Full series notation	1771-NIS/C, Series C, Rev C
Module function	High-resolution isolated analog current input
Input channels	8
Documented process signal	4-20 mA
Input arrangement	Sourcing or sinking
Loop power	Module-supplied or externally supplied
External-loop resolution	16-bit; 65,535 counts over 0-20 mA
Remote termination	Compatible remote termination panel for non-thermocouple applications
Standard cables	1771-NC6 or 1771-NC15, as applicable
Module features	Scaling, alarming, filtering, real-time sampling, and rate-of-change monitoring
Lifecycle	Discontinued 2017-05-31
Replacement category	Engineering Replacement; no replacement catalog number shown

Documented role

Allen-Bradley 1771-NIS/C is the Series C revision of the 1771-NIS high-resolution isolated analog input module. It provides eight 4-20 mA input channels for PLC-5 systems.

Documented applications

- Eight-channel 4-20 mA process-transmitter acquisition in PLC-5 systems
- Legacy machine and process-control measurement requiring isolated current inputs
- Maintenance of installed 1771-NIS Series C analog input stations

Selection and installation checks

Verify the 1771-NIS/C nameplate, remote termination hardware, cable, loop-power arrangement, scaling, alarms, filters, and block-transfer configuration before replacement.