FirstFence®
HIRE & SALES

IRONCLAD PIDS

Specification Sheet

SPC-IRON-001A



Call our Expert Sales Team for more information.

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Key Features

- Simple & Fast Installation
  (Plug and Play, can be installed without special tools or training)
- Universal Compatibility
  (Connects to any alarm system with a sensor input)
- Detection & Performance
  (Detects vibrations on the perimeter for early intrusion detection)
- Fence Compatibility
  (Metal fencing: chain link, welded mesh, razor wire)
- Retrofit Ready
  (Ideal for upgrading existing fence runs via dry contacts)



Suitable For

- Commercial & Business
- Critical Infrastructure
- Industrial
- Offices & Institutes
- Residential/Rural Properties

Easy Installation

Offered as a Plug & Play system, designed to be installed without special tools, training or certification.

Retrofit Ready

Because it works with dry contacts it is ideal for upgrading an existing fence without replacing the entire security infrastructure.

Compatibility

It connects to any alarm system, DVR, NVR, SCADA or Access Control system via Dry Contact Relays. If your system has an input for a sensor, IRONCLAD can connect to it.

Early Detection

The system uses advanced algorithms to filter out environmental noise (wind, rain, birds) ensuring only true intrusion attempts trigger an alert)

Operating Power Requirements
12-24VDC 300mA @ 12VDC

Lightning Protection
2 Layer Surge Protection
Gas discharge devices are on all inputs/outputs and communication lines

Alarm Inputs
2/4 IRONCLAD sensor cable inputs
4 Intrusion and Line monitoring for accessories like magnets, contact, microwaves and motion detectors
1 Tamper Switch

Zone Status & Sensitivity Levels
8x Arm/Disarm via Jumper
Twenty-two levels of sensitivity per zone on board
500 levels of sensitivity via software
1 Power Outage Relay

Communication to PC
USB-C Input
Optional RS485 or IP

Alarm Outputs
8x Dry contact relays with contacts rated 1A @ 12VDC.
1x Tamper switch relay
1x Power Outage relay.

Connector
Sensor Input – 8x Screw terminal – Pair per zone.
Alarm Output – 8x Screw terminal – Pair per zone

Cable
Outer Diameter – 1/4 Inch (6mm).
Color: Metallic Silver

Enclosure
NEMA 4X, IP-66
9.5 x 7.5 x 2.75” (24 x 19.5 x 7.0cm)
Weight: 2.2 lbs. (1Kg)

Environment
Operating Temperature: – 40° to 221°F (-40° to 105°C)
Relative Humidity up to 98% non-condensing.

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Single Zone Kits

Single Zone Kit - 75m - Kit Contents

Roll of IRONCLAD sensor cable - 75m	x1
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

Single Zone Kit - 150m - Kit Contents

Roll of IRONCLAD sensor cable - 150m	x1
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

Single Zone Kit - 300m - Kit Contents

Roll of IRONCLAD sensor cable - 300m	x1
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

Dual Zone Kits

Dual Zone Kit - 150m

Roll of IRONCLAD sensor cable - 75m	x2
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

Dual Zone Kit - 300m

Roll of IRONCLAD sensor cable - 150m	x2
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

Dual Zone Kit - 300m

Roll of IRONCLAD sensor cable - 300m	x2
End-of-Line termination boards (pre-installed onto sensor cable)	x2
Local Processor Unit (LPU-400 Analyser)	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1

IRONCLAD Sensor Cable

IRONCLAD Sensor Cable - 75m Spool

IRONCLAD Sensor Cable - 150m Spool

IRONCLAD Sensor Cable - 300m Spool

Complete Analyser Kits

RB-ELC2ZKIT Dual Zone Complete Analyser Kit

LPU-402 Local Analyser for 2 Zones	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1
MCTR End-of-Line Termination Board	x2

RB-ELC4ZKIT Four Zone Complete Analyser Kit

LPU-404 Local Analyser for 4 Zones	x1
IP66/NEMA4X Waterproof Enclosure for Processor	x1
MCTR End-of-Line Termination Board	x4

Sliding Gate Kit

Retractable 10m non-sensitive cord reel	x1
Waterproof Enclosure	x1
Junction Box	x2

Single Swing Gate Kit

RB-MCTXT Connection Box	x2
Non-sensitive cable (10m???)	x1

Double Swing Gate Kit

RB-MCTXT Connection Box	x4
Non-sensitive cable (10m???)	x1

Spare/Replacement Parts

End-of-Line Termination Unit

RB-MCTR Termination Board	x1

Gate Connector - Plug Connector (Swing Gates)

RB-GATECONN Gate Connector	x1

Local Processor with 2 Relay Output

LPU-402 Analyser	x1

Local Processor with 4 Relay Output

LPU-404 Analyser	x1

Main Board

RB-LPU400M2 2 Zone Main Board	x1

Main Board

RB-LPU400M4 4 Zone Main Board	x1

Replacement CPU Board

RB-LPU400CP CPU Board	x1

Replacement Power Management Board

RB-GLPU400PO Power Management Board	x1

Replacement Configuration & Tamper Board

RB-LPU400CO Configuration & Tamper Board	x1

Replacement Interference Board

RB-LPU40014 Interference Board	x1

Weatherproof Enclosure (Processor)

RB-JB-303 IP65 Enclosure	x1

Stainless Steel Cable Ties

RB-TIES610 Cable Ties (pack of 610)	x1

RBtec Perimeter Intrusion Detection System - SKUs

Single zone IRONCLAD kit 75m
Dual zone IRONCLAD kit 2 x75m (150m total)
Single zone IRONCLAD kit 150m
Dual zone IRONCLAD kit 2X150m (300m long)
Single zone IRONCLAD kit 300m
Dual zone IRONCLAD kit 2X300m (600m long)
Roll of 75m IRONCLAD
Roll of 150m IRONCLAD
RB-IROC300
LPU 402 Kit
LPU 404 Kit
End-of-line termination Unit
Connection Box
LPU 402
Local Analyzer Unit (Four Zone)
2 Zone Main Board
4 Zone Main Board
CPU Board
Power Management Board
Configuration + Tamper Board
Interfence Board for LPU404
Enclosure for LPU-400 Processing Unit
Stainless-steel ties
Gate connector - Plug Connector for swing gates
Sliding gate IRONCLAD Kit
Single swing gate kit
Double swing gate kit