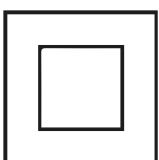




Annexe FSP

Certificate Number: PA05/06436



The integrated Annexe FSP assembly has been designed to offer a Class II retrofit able solution to an existing suitable apparatus housing. It will provide Class II 650 / 110V supply for signalling equipment. The unit requires minimal civils work to install, offers a substantial cost saving against a traditional metal location case and pre-cased base providing a separate E&P asset. The assembly features a high efficiency Aluminium transformer, Class II Micro FSP, full Class II enclosure and a range of mounting options.

SIN119 Legacy Upgrades

The Annexe FSP offers SIN119 programs a cost effective, Class II solution that delivers a separate asset with minimal civils costs. It also provides a unit that can deliver Class II in locations with challenging access. The unit requires less than 4 hours site time including, survey, correlation, installation and commissioning. The unit de-risks any existing cases where retrofit using Micro FSPs may impact on internal signalling equipment. With a great deal of prep work carried out in day work, the unit allows for minimal site possession time. A B2 type cable is used to connect between the Annexe unit and the existing Nx/Bx terminals. The Annexe FSP can accommodate both legacy and FGT type feeder cables including aluminium type when used in conjunction with Bi-Metallic pins. A range of lightweight high efficiency transformers deliver 110V in a range of options from 500VA to 3KVA and multiple windings of twin and quad types. Outgoing 110V terminals or fuses can be provided to suit the power design.

Key Features

- Rapid Installation of 650/110V Class II Power Supply
- Minimised Civils and Buried Services Requirements
- Lightweight High Efficiency Transformers Fitted Including Multiple Winding Options
- Direct Connection to all Network Rail Location Cases (BRS-SM 440 Type)
- Full Class II Specification Including Optional Class II 650/110V Output
- Innovative mounting bracket allowing for a direct connection to a suitable existing location case. The Annexe is held in place using a clamp system eliminating the need to perforate the existing case

Technical Information

- Meets NR/L2/SIGELP/27409-Issue 2 Specification
- IK10
- IP65
- Lightweight: 29-64Kgs (Depending on Tx Size)
- Optional Mounting Via Galvanised Stake
- High Security Shrouded Padlockable Handle
- Feeder Cable Ranges 16-120mm² Copper (Cu) or Aluminium (Al)
- Fully PADS Approved GRP Enclosure Dimensions - 747(H) x 536(W) x 300(D)mm
- Optional 4 core connection box assembly available

Annexe FSP - Exterior

IP55 Rated Breather
The Annexe enclosure is pre-fitted with two ventilation devices.

3-Point Locking System
• High Security shrouded pad-lockable handle assembly

Fully customisable pre-fitted labelling

GFRP Enclosure & Loc case mounting bracket.

- Full Composite Enclosure
- IP66 Rated
- IK10
- C3 Shock and Vibration Tested
- UV Resistant
- Lightweight (29-64kgs)
- 40 Year Asset Life

Aluminium, Nylon coated cable cover concealing cable and cable cleat bar.

- Anti cable theft deterrent.

Removable IP66 Rated Drainage Plug

Annexe FSP - Interior

110V output terminals or fuse links Pre-fitted.
Protective shroud or Class II enclosure depending on version

Class II Hybrid Transformer

- Aluminium open framed Tx / Tj (1KVA - 3KVA) and cased Tx (500VA)
- Multiple secondary winding options
- Energy efficient
- Lightweight

Class II hybrid or full Class II Tx connections.
Functional Tx screen connection.

Micro FSP Switchgear

- Suitable for all Micro FSP04 and FSP02 types
- Fully PADS Approved
- 650V Power IN/OUT test points with protective shroud cover
- Pad-lockable isolation switches
- Interface with Al/Cu cables up to 120mm²

Pre-machined cable entries for 650V / 110V cable input/output

Installation Guide

1

Ensure location case exterior is Free of any dust and loose debris.

2

The Loc case mounting plate is fitted to the side of the existing case. NO DRILLING REQUIRED!

3

Loc mounting plate is ready to accept Annexe FSP.

4

The pre-assembled cable cleat bar is to be fitted at the bottom of the Loc case.

5

The Annexe FSP mounting bracket and vibration mounts are pre-assembled and factory tested.

6

Once the Loc case bracket is secured, the Annexe can be comfortably lifted into place without the need for any additional lifting equipment.

7

Once attached to the Loc bracket the Annexe is secured using M6 x 25 set screws.

8

The install is completed by the fitment of a lightweight Nylon coated Steel cover below the Annexe FSP.

t: 01442 828387
f: 01442 828399
e-mail: enquiry@ilecsysrail.co.uk
1 Kites Park • Summerleys Road • Princes Risborough
Buckinghamshire • HP27 9PX

