INSTALLATION INSTRUCTIONS

Original Issue Date: **6/13**
Model: **20–500REOZT Generator Sets**
Market: **Industrial Towable**
Subject: **Three-Relay Dry Contact Kits (SDMO)**

Model	Controller (Kohler)	Controller (SDMO)	Electrical System	Circuit Board Part Number	Kit Part Number
20–275REOZT	Decision-Maker® 1000	NEXYS	12 Volt	GB31614250201NE	GB31613412701NE
500REOZT	Decision-Maker® 4000	TELYS	24 Volt	GB31614250301NE	GB31613509901NE

1 – INTRODUCTION

This option allows the following three pieces of information to be reported remotely:

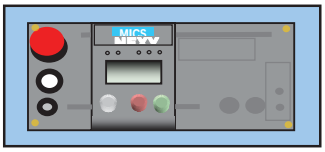
- ***General fault***
- ***Low fuel level warning***
- ***Generating set running***

Warning		**Before carrying out any operation on the generating set, it is important to read this manual carefully. The safety, usage and maintenance instructions for the generating set must always be adhered to. Any damage caused by failure to follow the guidelines set out in this manual will invalidate the warranty and any claims made in this regard.**

2 – REPORT PACK CONTENTS

Console

NEXYS

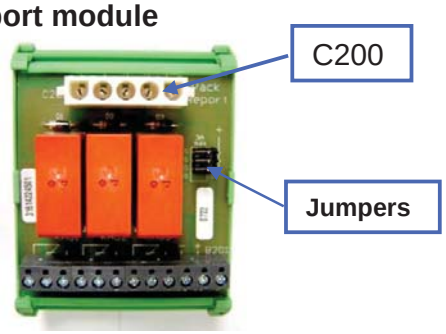


OR

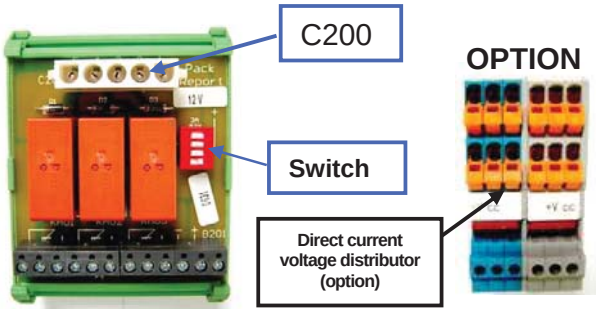
Console

TELYS

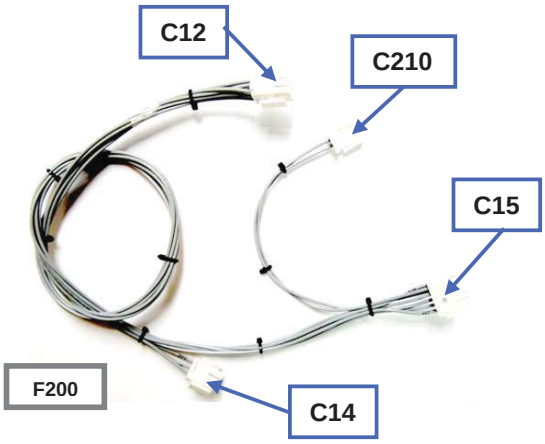
12V Report module



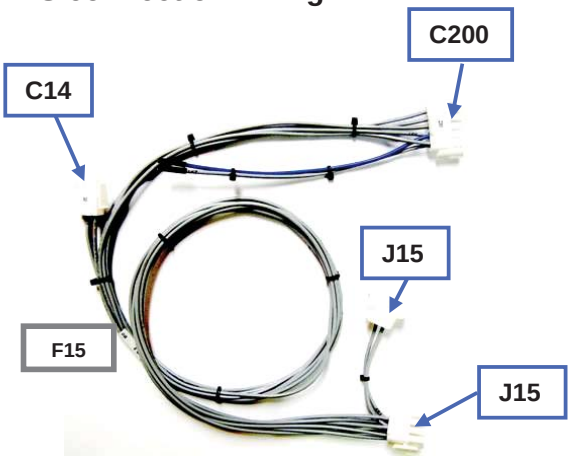
12V or 24V report module



NEXYS connection wiring



TELYS connection wiring



3 – SAFETY INSTRUCTIONS

DANGER

OPERATIONS SHOULD ONLY BE CARRIED OUT WHEN THE INSTALLATION OR EQUIPMENT IS SWITCHED OFF

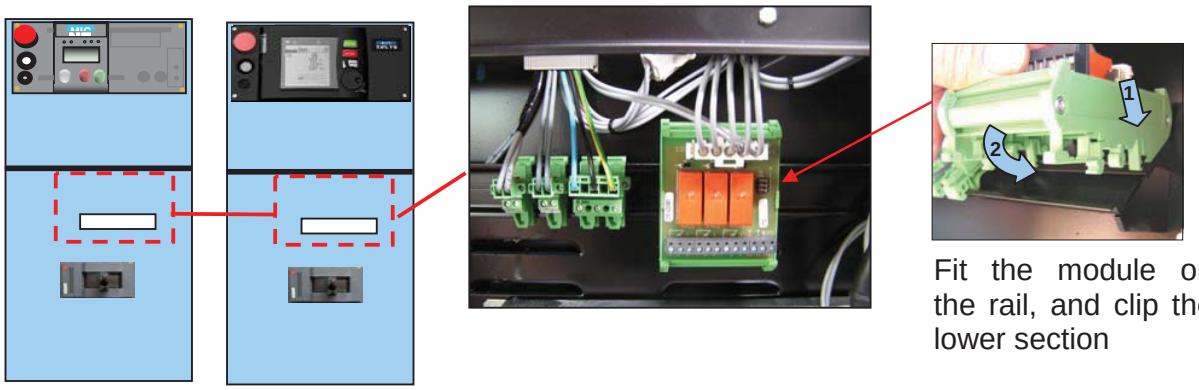
*** DISCONNECT THE BATTERY AND/OR ANY EXTERIOR ELECTRICAL SUPPLY SOURCE.**

- **Read the manufacturer's identification plate carefully. The values for voltage, power, current and frequency are shown. Check that these values match the supply use.**
- **Never accidentally touch bare wires or disconnected connections.**
- **Never handle a generating set with wet hands or feet.**
- **Maintain the electric cables and the connections in good condition (risk of electrocution or damage to the equipment).**
- **The electrical connections must be made in accordance with current standards and regulations in the country of use.**
- **Do not use faulty, poorly insulated or provisionally connected wires.**
- **Never invert the positive and negative battery terminals when connecting them. This could cause severe damage to the electrical equipment. Follow the wiring diagram supplied by the manufacturer.**
- **Protection against electric shocks is ensured by an assembly of specific equipment. If this needs to be replaced, it should be by components with identical nominal values and specifications.**

4 – FITTING THE REPORT PACK

Position for NEXYS and TELYS:

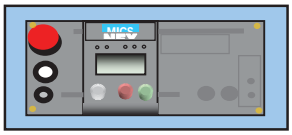
The central consoles have different components, depending on the type of generating set.
The position is determined by the length of the wiring harnesses.



Fit the module on the rail, and clip the lower section

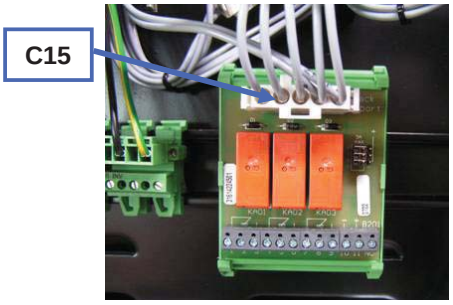
5 - CONNECTING THE WIRING HARNESS

NEXYS



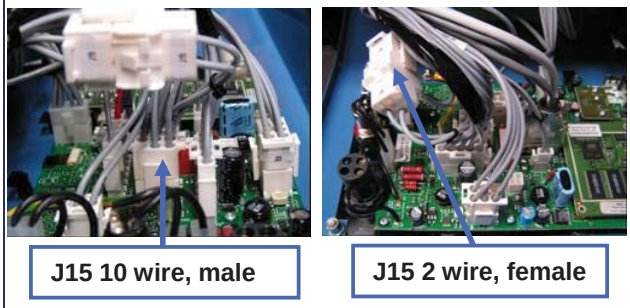
a) Connect connector C12 to the wiring harness on the **NEXYS** card (see folio 25/02)

b) Connect connector C15 to the Pack Report module wiring harness (see folio 13/01)

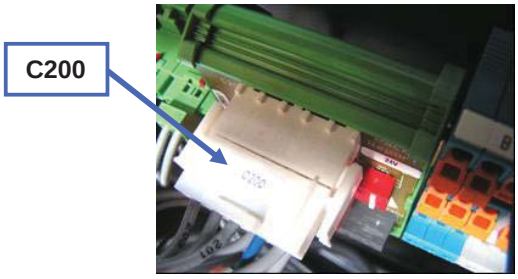


TELYS

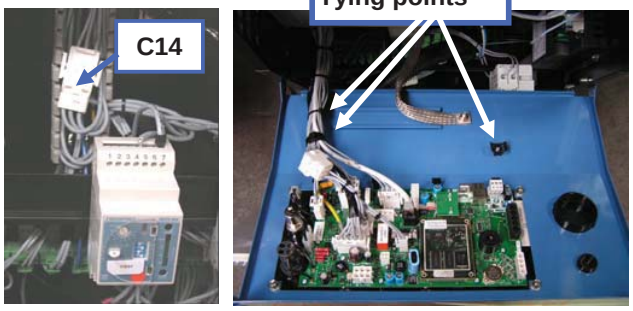
a) Connect the 2 J15 connectors to the wiring harness on the **TELYS** card (see folio 25/00)



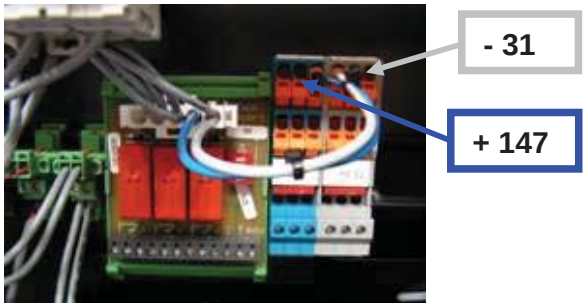
b) Connect connector C200 to the Pack Report module wiring harness (see folio 13/01).



c) If there is no differential relay fitted: arrange and tie up the wiring and connector C14 in the grommet.
If the differential relay is fitted: connect connector C14 for the report pack wiring harness with connector C14 for the differential relay wiring harness.
(see folio 25/02)

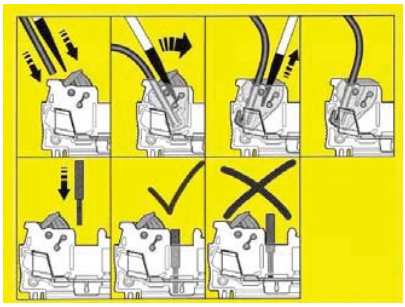


c) If there is no distributor: insulate and tie the two wires to the wiring harness.
If the "direct current distributor" option is present: connect the 2 power supply wires to connector C200 (the distributor should be located next to the "Report Pack" module).
(see folio 13/01)



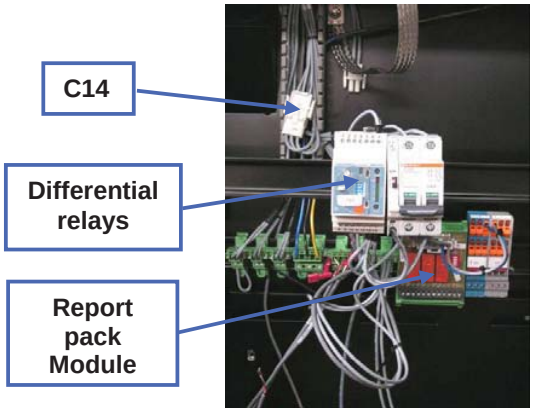
WARNING: In both cases, the wiring harnesses, the wires and the connectors must not be subjected to any traction

Voltage distributor wiring:



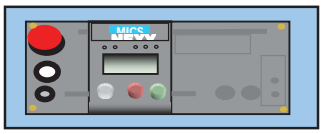
d) If there is no retention container level detection: arrange and tie up the wiring and connector C210.
If there is a retention container level detection, connect connector C210 for the report pack wiring harness with connector C210 for the F210 wiring harness
(see folio 14/01)

d) If there is no differential relay fitted: arrange and tie up the wiring and connector C14 in the grommet.
If there is a differential relay in the centre console, connect connector C14 of the Pack Report to connector C14 of the differential relay wiring harness.
(see folio 11/01)

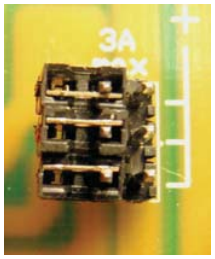


7 – CONFIGURATION

NEXYS



Note:
By default, the report module configuration jumpers are in the "standby" position. They are not used when the module is being used in a normal way (see folio 13/01).



Use jumpers to bridge and polarise the Normally Open and Normally Closed contacts for the report relays in 12Vdc or 24Vdc.

Jumper 1 = Low fuel level fault/alarm

Jumper 2 = General fault

Jumper 3 = Genset ready to supply

TELYS

IMPORTANT:

By default, the report module configuration switches are open.
Close the switches to polarise the Normally Open and Normally Closed contacts for the report relays in 12Vdc or 24Vdc.

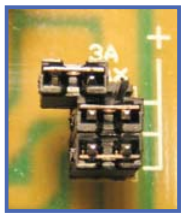
Contacts open

Contacts closed

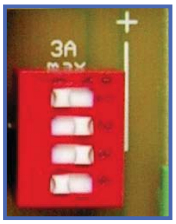
Switch 1 = Alarm/fault
Low fuel level
Switch 2 = General fault
Switch 3 = Genset ready to supply
Switch 4 = Not used.

If the switches are open, the report will only be made with an exterior voltage (see folio 13/01).

Note:
It is necessary to connect the two lower configuration jumpers when using remote control (see folio 13/02).



OR



Exterior connection:
WARNING: 250 Volts/5A MAX 3A outputs if polarisation.

Connection tightening torques:

	Tightening torque
3.5 mm	0.5 - 0.6 Nm

8 – RESTARTING - TEST PROCEDURE

- Start the generating set: check the "Genset running" relay switches when the voltage and frequency have stabilised.

- Check the "General fault" relay switches: press the emergency stop:

- Check that the low fuel level relay switches: shunt wire 115 to earth on the low fuel level gauge.

If it is non-operational, contact the SDMO after-sales service representative for your area.

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