



To keep pace with requirements for streaming electronics, Northern Lights is pleased to offer the ***TSC Control System.***

S-TSC CONTROL PANEL

The TSC control can be fitted with an optional shielded cable to interface with the ship's multi-function display, for a truly integrated and intuitive generator display experience.

- One touch run/stop function
- Customizable warnings and shutdowns
- Easy-to-read push buttons and backlit LED screen

FEATURES AND FUNCTIONS

- | | | |
|-----------------------------------------------|------------------------------------------|---------------------------------------------------|
| - SAE J1939 CAN bus protocol | - Manual and remote start | - Tracking log for up to 150 events |
| - RPM via J1939, magnetic pickup or generator | - Emergency stop | - Designed to protect against moisture |
| - Autostart even on low battery | - Passcode protected for vessel security | - Common sensor (i.e. VDO, Datcon) compatibility. |
| | - Maintenance timing counter | |
| | - Exerciser clock | |

AVAILABLE DISPLAYS

TSC offers the display data most critical to the proper maintenance and functionality of your Northern Lights generator set. Adding a NMEA2000 compatible cable allows S-TSC to access all of your vessel's most crucial data.

- | | | |
|----------------------|-------------------|---------------------------------------|
| - Engine temperature | - Battery voltage | - Time and date |
| - Oil pressure | - Engine speed | - Custom senders |
| - Fuel level | - Engine hours | - Customizable warnings and shutdowns |
| - AC metering | - Text | |

PROGRAMMABLE ALARMS AND FUNCTIONS

Customize the amount of data that is most important to you.

- Overcrank
- Coolant temperature
- Oil pressure
- DC voltage
- Over/Under voltage
- Over/Under current
- Over/Under speed

Available with local and remote panel access, with a sleek simple design that compliments any engine room.

DIMENSIONS (Height x Width x Depth)

Module size: 4.2 in x 6.5 in x 1.4 in

106 mm x 165 mm 35 mm

Local panel enclosure: 5.9 in x 8.3 in x 3.1 in

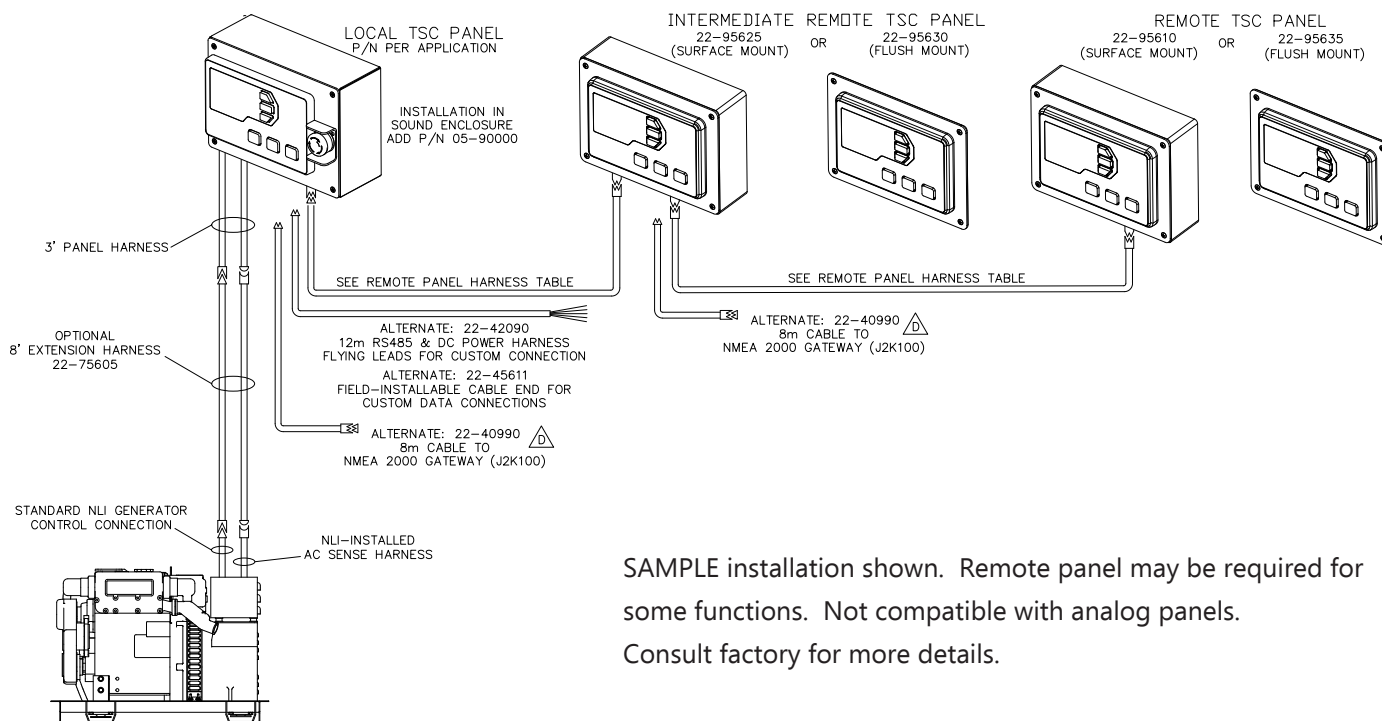
149 mm x 210 mm x 78 mm

Remote panel enclosure: 5.9 in x 8.3 in x 2.4 in

149 mm x 210 mm x 59 mm

NMEA2000 Compatibility

- Available through custom cable, in lengths of 25' (7.5 meters).
- Remote paneling available up to 128' (39 meters).
- Interfaces the S-TSC's SAE J1939 CAN data stream to an NMEA 2000 gateway.
- Reliable twisted-pair cable with 8-pin/5-pin connectors.
- Available on units **up to 40kW**.



SAMPLE installation shown. Remote panel may be required for some functions. Not compatible with analog panels. Consult factory for more details.