Wiring Configuration for Addressing
(Install all wiring within shell of connector)

1  2    3    4    5    6    7    8    9   10   11  12   13

7-10 Kohm

(Example Address = 5)

Wiring Configuration for Analogue Monitoring
(in addition to addressing configuration)

1  2    3    4    5    6    7    8    9   10   11  12   13

Black 0 volt rail
Green 0-5 volt input 4
Yellow 0-5 volt input 3
White 0-5 volt input 2
Blue 0-5 volt input 1
Red (+5v rail)

Note:- PCB is not to scale

Wiring Configuration for Current Transducer

LTS-6 / LTS-15 / LTS-25

Optional Switch
To Solar Car test point (Orange cable)

RS232 Port
9 pin Female De Connector
Connects direct to PC Com Port or via a Null Cable to Trio Data Radio

View of CAN232 Dongle

CAN Port
9 pin Male De Connector
Connects direct to CAN Node of Choice either via CAN Bus Access Point or via RJ45 port.

Interface Cable – CAN Node to CAN232 Dongle

Interface Cable – CAN232 Dongle to Radio

Parallel Transducers as required ensuring different address part numbers used.

TC74A

+5v rail Red
I2C Clock Blue
0 volt rail Black
I2C Data White

Note:- PCB is not to scale

Wiring Configuration for Analogue Monitoring
(in addition to addressing configuration)

1  2    3    4    5    6    7    8    9   10   11  12   13

Black 0 volt rail
Green 0-5 volt input 4
Yellow 0-5 volt input 3
White 0-5 volt input 2
Blue 0-5 volt input 1
Red (+5v rail)

Note:- PCB is not to scale

Wiring Configuration for Analogue Monitoring
(in addition to addressing configuration)

1  2    3    4    5    6    7    8    9   10   11  12   13

Black 0 volt rail
Green 0-5 volt input 4
Yellow 0-5 volt input 3
White 0-5 volt input 2
Blue 0-5 volt input 1
Red (+5v rail)

Note:- PCB is not to scale

Wiring Configuration for Current Transducer

LTS-6 / LTS-15 / LTS-25

Optional Switch
To Solar Car test point (Orange cable)

RS232 Port
9 pin Female De Connector
Connects direct to PC Com Port or via a Null Cable to Trio Data Radio

View of CAN232 Dongle

CAN Port
9 pin Male De Connector
Connects direct to CAN Node of Choice either via CAN Bus Access Point or via RJ45 port.

Interface Cable – CAN Node to CAN232 Dongle

Interface Cable – CAN232 Dongle to Radio
Kelly CAN Node Locations

Note: Kelly not to scale, Diagrammatic representation only.
CAN Nodes in approximate position. Visual location required.
All CAN Bus Cables CAT5e, Blue sheath, RJ45 Connectors. Cable tied to reduce physical fatigue. Antenna cable route not shown.

Kelly CAN Node Configurations

<table>
<thead>
<tr>
<th>Node Addr.</th>
<th>Location</th>
<th>Monitoring</th>
<th>Range</th>
<th>Device No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Rear Shelf</td>
<td>Radio RSSI</td>
<td>0-5V</td>
<td>TC74Ax</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motor Temp</td>
<td>0-150 C</td>
<td>TC74Ax</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cabin Temp</td>
<td>0-50 C</td>
<td>TC74Ax</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Solar Array Temp</td>
<td>0-50 C</td>
<td>TC74Ax</td>
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<td></td>
<td></td>
<td>Car Speed</td>
<td>0-199</td>
<td>TBA</td>
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<tr>
<td>01</td>
<td>RHS Top</td>
<td>Array Current 1</td>
<td>0-6 Amp</td>
<td>LTS-6</td>
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<td></td>
<td>Array Current 2</td>
<td>0-6 Amp</td>
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<tr>
<td></td>
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<td>Array Current 3</td>
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<td></td>
<td></td>
<td>Bus Volts</td>
<td>100-150 V</td>
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<td>12 VDC Injection Point</td>
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<tr>
<td>02</td>
<td>RHS Bottom</td>
<td>Accelerator Control</td>
<td>0-5 V</td>
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<td></td>
<td>Regen Control</td>
<td>0-5 V</td>
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<td></td>
<td>Brake Activation</td>
<td>0-5 V</td>
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<tr>
<td></td>
<td></td>
<td>Bus Volts</td>
<td>0-150V</td>
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<td>CAN Bus Access Point</td>
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<tr>
<td>03</td>
<td>RHS Front</td>
<td>Battery 1 Current</td>
<td>0-45 Amp</td>
<td>LTS-15</td>
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<td></td>
<td></td>
<td>Battery 2 Current</td>
<td>0-45 Amp</td>
<td>LTS-15</td>
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<td>Bat Man – Battery 1</td>
<td>0-5 V</td>
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<tr>
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<td>Bat Man – Battery 2</td>
<td>0-5 V</td>
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<td>Z Axis</td>
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<tr>
<td></td>
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<td>Battery Pack 2 Temp</td>
<td>0-75 C</td>
<td>TC74Ax</td>
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Do Not Use this Drawing for Solar Spirit
Do Not Use this Drawing for Solar Spirit