



# *M12 and M8 connection*

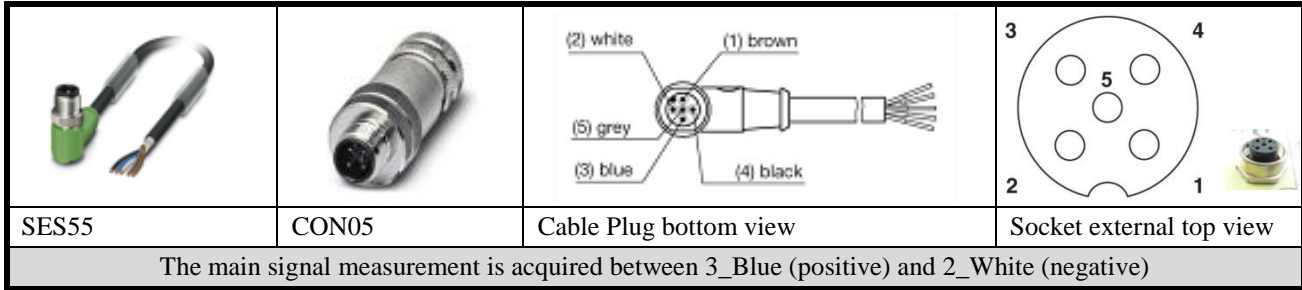


## *for Newsteo Loggers*

### Summary

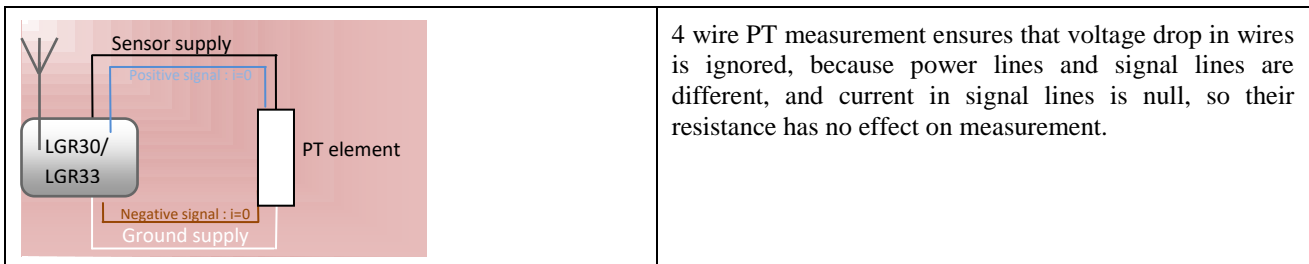
1	SES55 – CON05 .....	2
1.1	LGSx4 : only spy 0-20 mA – espionne seulement 0 – 20 mA .....	3
1.2	LGS36 : Normally Open Relay – Relais Normalement Ouvert .....	3
1.3	LGS39 : Compteur d’impulsion: exemple de mise en oeuvre.....	3
2	SES58 – CON08 .....	4
2.1	LJ3D –exemple de connexion avec le capteur de pesage compression inox SCAIME R10X ..	4

# 1 SES55 – CON05

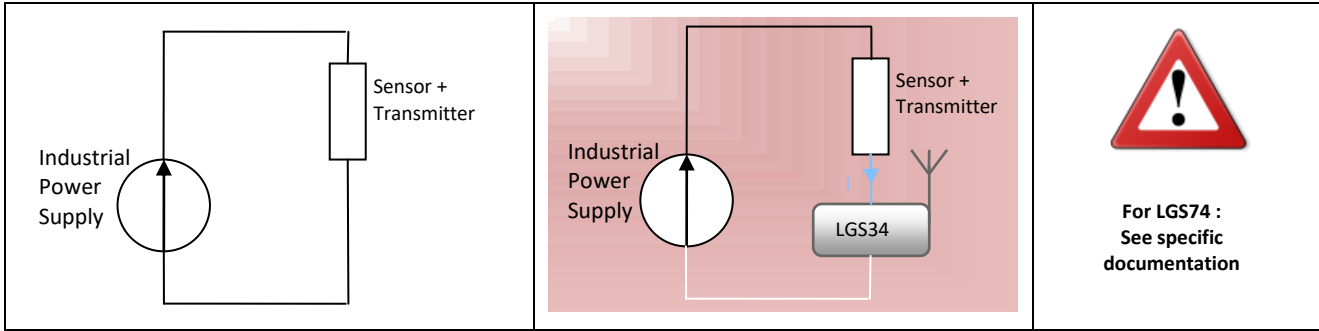


NC means : Not Connected  
 means that the user must short connect 2 endpoints with a conductive wire for proper operation.

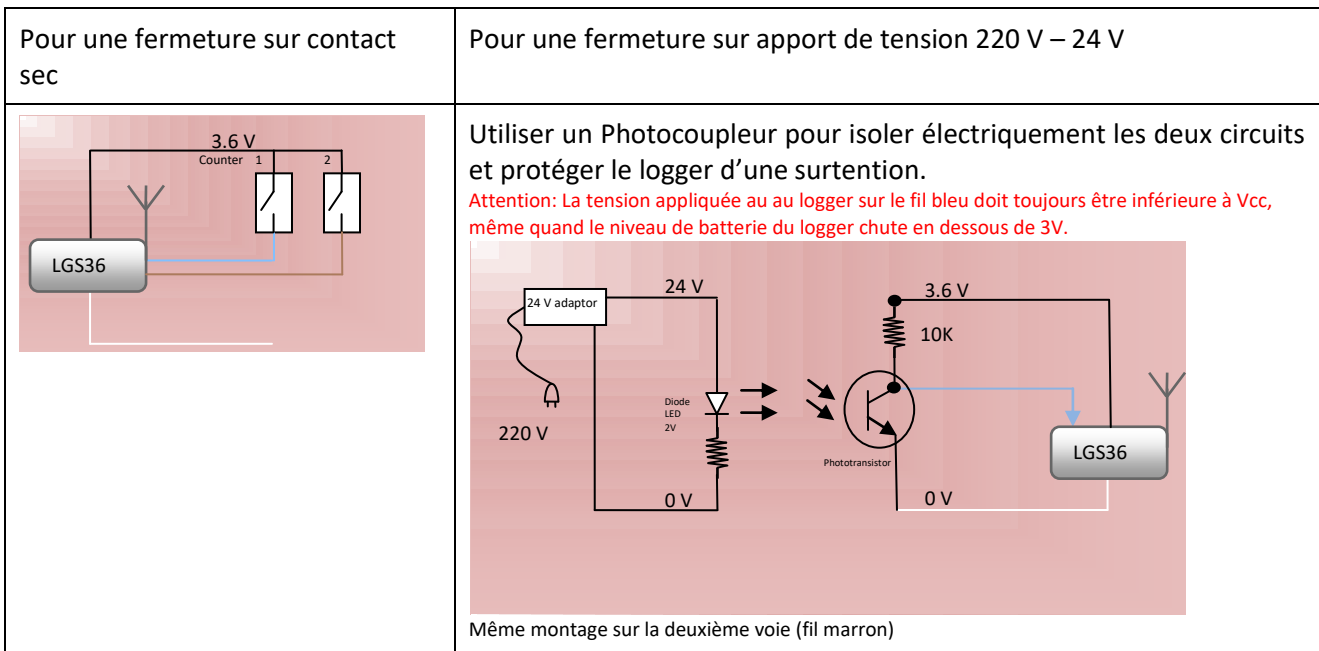
PRODUCT	Sensor TYPE	Pin	1	2	3	4	5
		color	Brown	White	Blue	Black	Grey
<b>LGR30 / LGR33</b> With serial number > LGx001A03	PT sensor <b>2 wires</b> between (blue and White)		Shunt with 2	Ground	Signal	shunt with 3	Internally connected to 4
	PT sensor <b>4 wires</b> (White//Brown ) PTsensor [ (Blue//(Black = Grey))		Negative Signal	Ground Supply	Positive Signal	Positive Supply	Internally connected to 4
	PT sensor <b>3 wires</b> ( White // Brown ) ] PTsensor [ (Blue)		Negative Signal	Ground Supply	Positive Signal and Supply	Shunt with 3	Internally connected to 4
<b>LGR30 / LGR33</b> With serial number < LGx001A03	PT sensor <b>2 wires</b> between (blue and White)		NC	Ground	Signal	NC	NC
<b>LGR37</b>	Thermocouple (sensor colors : Green =Positive , White 0V)		NC	0V Ground T°K = White	mV+ (Signal) T°K = Green	NC	NC
<b>LGS33</b>	0/2.5V input voltage		NC	0V Ground	V+ (Signal)	NC	NC
<b>LGS34</b>	0/20 mA current loop		NC	Current output	Current input	NC	NC
<b>LGS35</b>	0/10V input voltage		NC	0V Ground	V+ (Signal)	NC	NC
<b>LGS36</b>	Relay switching double input counter		Counter 2 (Signal) < Vcc	0V ground available	Counter 1 (Signal) < Vcc	Vcc < 3.6V	NC
<b>LGS37</b>	-50mV/50mV ( V+ ) -(V-)		NC	V- (Signal)	V+ (Signal)	NC	NC
<b>LGS39</b> <b>LGSA9</b> <b>LGC38</b>	Pulse counter		NC	0V ground available	Counter (Signal) < 30V	Vcc < 3.6V	NC



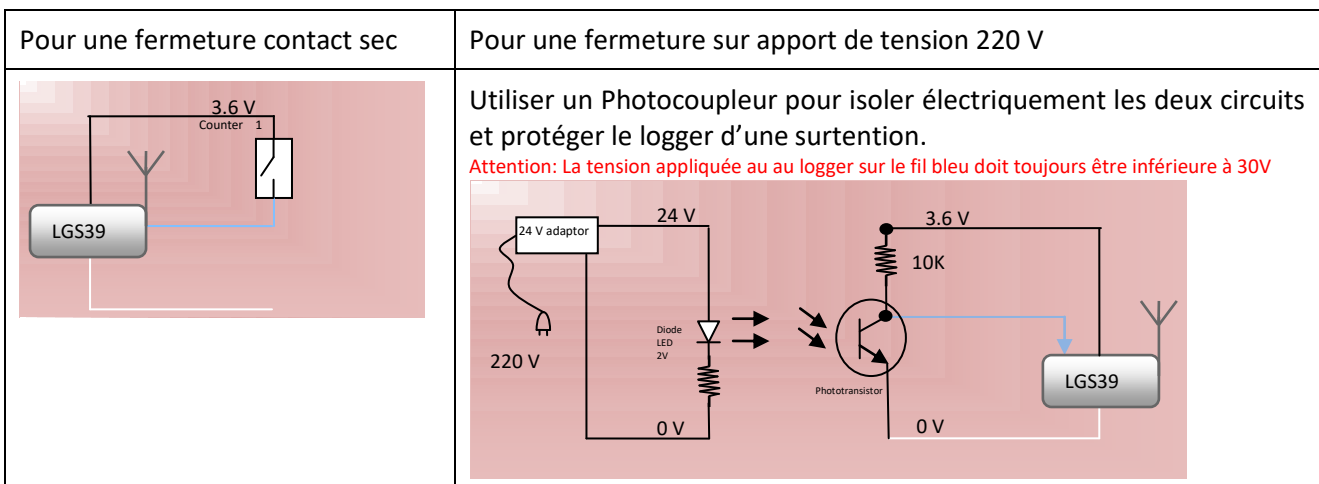
**1.1 LGSx4 : only spy 0-20 mA – espionne seulement 0 – 20 mA**



**1.2 LGS36 : Normally Open Relay – Relais Normalement Ouvert**



**1.3 LGS39 : Compteur d'impulsion: exemple de mise en oeuvre**



## 2 SES58 – CON08

SES58	CON08	Cable Plug bottom view	Socket external top view

PRODUCT	Sensor TYPE	PIN Color	1	2	3	4	5	6	7	8
			White	Brown	Green	Yellow	Grey	Pink	Blue	Red
<b>LGS31</b>	Potentiometric	-	-	Tsic Data	Tsic Supply	Tsic Gnd	Vsupply 2.7 V	Signal index	-	0V Ground
<b>LGJ3D</b>	Full Bridge Strain Gauge	Positive Signal Vp	-	Tsic Data	Tsic Supply	Tsic Gnd	Vsupply 2.7 V	NC	Negative Signal Vn	0V Ground
<b>LGP33</b>	Potentiometric 3 wires	Signal Index3	-	Tsic Data	Tsic Supply	Tsic Gnd	Vsupply 2.7 V	Signal Index1	Signal index2	0V Ground
<b>LGN45</b>	-5V ... +5V 5 inputs	+Vsens +13.2V 100mA	-Vsens	CTN or +/- 5V	CTN or +/- 5V	CTN or +/- 5V	CTN or +/- 5V	CTN or +/- 5V	CTN or +/- 5V	0V Ground

### 2.1 LGJ3D –exemple de connexion avec le capteur de pesage compression inox SCAIME R10X

Raccordement électrique / electrical connection:

<ul style="list-style-type: none"> <li>• Capteur de poids réalisé en acier inoxydable, hermétiquement soudé IP68</li> <li>• Précision jusqu'à 0.1 %</li> <li>• Peson intégrant un bouton de charge sphérique pour un alignement optimal de la charge</li> <li>• Capteur idéal pour le pesage et la mesure de niveau de cuves ou silos</li> <li>• Capacités : 1, 2,5, 5, 10, 15, 30, 50, 100 t</li> </ul>	<p>SES58 - Cable Plug bottom view</p>	<p>CON08 – back view</p>																		
			<table border="1"> <tr> <td>+ Alimentation / + escit.</td> <td>Rouge / red</td> <td>5 Gris / Grey</td> <td>5</td> </tr> <tr> <td>- Alimentation / - escit.</td> <td>Noir / Black</td> <td>4 Jaune / yellow</td> <td>4</td> </tr> <tr> <td>+ Signal</td> <td>Vert / Green</td> <td>1 Blanc / White</td> <td>1</td> </tr> <tr> <td>- Signal</td> <td>Blanc / White</td> <td>7 Bleu / Blue</td> <td>7</td> </tr> <tr> <td>Blindage / Shield</td> <td>Tresse / Shielding Braid</td> <td>8 Rouge / Red</td> <td>8</td> </tr> </table>	+ Alimentation / + escit.	Rouge / red	5 Gris / Grey	5	- Alimentation / - escit.	Noir / Black	4 Jaune / yellow	4	+ Signal	Vert / Green	1 Blanc / White	1	- Signal	Blanc / White	7 Bleu / Blue	7	Blindage / Shield
+ Alimentation / + escit.	Rouge / red	5 Gris / Grey	5																	
- Alimentation / - escit.	Noir / Black	4 Jaune / yellow	4																	
+ Signal	Vert / Green	1 Blanc / White	1																	
- Signal	Blanc / White	7 Bleu / Blue	7																	
Blindage / Shield	Tresse / Shielding Braid	8 Rouge / Red	8																	