GYR Node **GYR**

The GYR Node Series (Green-Yellow-Red Nodes) are visual/electrical units that tell the hydraulic system/fluid condition at a glance using the universal color meanings of Green, Yellow, and Red.

The GYR Nodes are small, compact interfaces that can be added to any of our sensors to display a status light via a 4-20mA signal. These units can stand alone or pass through data using the 4-20mA signal from the host sensor to a higher source.

The NODE can be easily connected to a Condition Sensor interface (e.g. CSI-C-11) or a customer's data control system for data collection for predictive or preventive maintenance strategies. Data collection can also be achieved via included Web Interface (OTA, Over-the-Air) which offers data recording. The interface can be accessed on any WiFi enabled device such as a PC, Cell phone, tablet, etc.Green/Yellow/Red Lights are programmed for specific sensor function. The GYR Node can scale any 4-20mA signal to appropriately display proportional indication lights.

Included timer function will allow the user to see how long the system has been in operation. For example, when used with a differential pressure clogging indicator, the user will be able to change element based on time in service. The timer function is adjustable on the web interface which can be accessed on any WiFi enabled device.

Features & Benefits

- Prominent LED lights for increased system status visibility
- Customizable trigger points
    - GREEN Light = Safe; Operating Normally
    - YELLOW Light = Caution or Warning
    - RED Light = Fault State; Exceeded set parameters
- Quickly connects to any 4-20mA sensor to provide visual status of sensor
- Easily integrated to a Condition Sensor Interface for data collection or transfer of customer's data control system
- Web Interface (OTA, Over-The-Air) offers data recording. The interface can be accessed on any Wi-Fi enabled device
- Timer function available for any user and is adjustable on the web interface for the customer
- IP67 Rated

Specifications

Power Requirements:	Uses external power (12V – 38V DC at 2 amps)
Data Pass Through:	Input Data – 4-20 mA Signal Output Data – 4-20 mA Signal

Dimensions

The GYR Node uses the following Pinout on a M12, 5 pin connector:
Pin 1 = Positive Power (12v – 38v dc)
Pin 2 = 4-20 mA Signal
Pin 3 = Negative Power (Ground)
Pin 4 = Not Used (Directly passed through Node)
Pin 5 = Not Used (Directly passed through Node)

2 White
5 Gray
3 Blue
1 Brown
4 Black
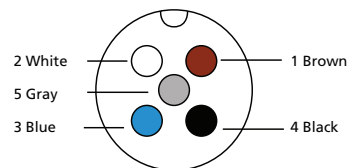
Model Number Selection

How to Build a Valid Model Number for a Schroeder GYR NODE:

BOX 1	BOX 2	BOX 3
GYR		

Example: *NOTE: One option per box*

BOX 1	BOX 2	BOX 3	
GYR	AS	60/80	**=GYR-AS-60/80**

BOX 1		BOX 2		BOX 3	
Type		**Sensor Type (One per Node)**		**Warning Indication**	
GYR =	Green Yellow Red Node	AS =	Water Sensor - AS1008-C-000	60/80 =	Yellow set to 60%; Red set to 80% (percentage of full range)
		L =	Level Sensor Level Sensor - HNS 3128-5-0520-000	xx =	Factory set to user defined settings
		T =	Temperature Sensor - ETS 7246-A-010-000		
		DP =	Differential Pressure indicator - HTP506-C-2.0-A-000 **		
		P =	Pressure Sensor - EDS 8476-2-0500-400		
		F =	Flow Meter - EVS-3100-H-1		
		Omit =	No Sensor (Customer will use own sensor)		

* User will define desired warning indication settings at time of order

** Used with Clogging indicator with GREEN to show element is still collecting contaminate or RED to show element is in bypass; Timer option (in weeks) to show how long element has been in operation

Applications

- Pulp & Paper
- Power Generation
- Industrial Hydraulics
- Wind Power
- Steel Making
- Off Road Mining & Construction
- Marine

Metric dimensions in ( ).