

GLYCOL SYSTEM MONITOR (GSM)

The Future of Beer System Diagnostics

Glycol cooling systems are typically overlooked by most restaurants. However, when the unit(s) are performing poorly or there is a component failure, it leads to product waste and **lost profits!**

Custom Beverage Service's *Glycol System Monitor* is designed to alert the operator of issues with their glycol cooling system, before product is wasted or damage to the system occurs. In a situation where the glycol cooling equipment is located out of sight (on the roof of a cooler or buried in a basement, etc). The *Glycol System Monitor* allows for remote display in a high traffic area of the restaurant, where the operator can see and hear when an alarm is activated.

How does the *Glycol System Monitor* work?

Custom Beverage Service's *Glycol System Monitor* reads the temperature of the glycol, indicates the flow from the recirculating pump, and high bath fluid level. The *GSM* has been designed as a "cut & clamp" installation, the only electrical connections to be made are the quick connect cords to their components and the control box. All the sensors and switches are 3/8" barbed connections ready to be installed in-line on the beer system.

Temperature Monitoring:

The *GSM* is equipped with an in-line temperature sensor that displays the current glycol temperature on the control box. There are both high and low temp audible/visual alarms on the control box. If the glycol reads outside the preset temperature parameters (either high or low) the appropriate alarm will activate, alerting the operator to call for service.

Recirculating Pump Monitoring:

The *GSM* is equipped with in-line flow switch(es) that will activate an audible/visual alarm if the pump is not moving fluid, alerting the operator to call for service before the system becomes inoperable. This alarm will also alert the operator to something as simple as the pump cord having been unplugged, which can be resolved by the operator without placing a service call.

Liquid Level Monitoring:

The *GSM* has the option of a liquid level switch (for units with overflow fittings). When the glycol in a unit becomes weak ice will form on the evaporator, as this ice builds, it will raise the fluid level until it leaks from the overflow fitting. The liquid level switch will activate an audible/visual alarm on the control box, notifying the operator to call for service.

Please contact Don Jaillet with any questions or concerns: don@mabeer.com

GLYCOL SYSTEM MONITOR (GSM)

ORDERING A *Glycol System Monitor*:

Custom Beverage Service's *Glycol System Monitor* has several package configurations to service a wide variety of glycol units on the market today.

What **Custom Beverage Service's needs to know** for your build:

- Make and Model of the glycol unit?
- How many recirculating pumps are on the unit?
- Do you require the High Liquid Level switch?
- How far away from the glycol unit are you mounting the control box?
(Component cords available in 8' & 24' standard lengths)
- Does the system have Ice Frosted towers?

Control Box Placement:

The control box should be mounted in a back-of-house area, regularly traveled by restaurant staff during the day. Having the control box mounted where restaurant staff can see and hear the alarms is essential, however care should be taken to place the control box in an area where it will be free from physical damage.

ENCLOSURE MATERIAL:	ABS Plastic
ELECTRICAL REQUIREMENTS:	120v /15a
AUDIBLE ALARM:	80db @ 10cm
DIMENSIONAL INFORMATION:	10.5" x 8.5" x 5.75"



Kit Assembly # **GSM-2P-1215-001**



#ME-001



#TS



#TSC-24



#CC-1-24



#PFS

Kit Components :

- #ME-001 Main Enclosure**
- #TS Temperature Sensor assembly**
- #TSC-24 Temperature Sensor Cord ***
- #PFS Pump Flow Sensor**
- #CC-1-24 Component Cord ***

***Cord lengths available in 8ft or 24ft**
*******Please Specify*******



Kit Assembly # **GSM-2P-1215-002**



#ME-002



#TS



#TSC-24



#CC-2-24



#PFS



#PFS

Kit Components :

- #ME-002** Main Enclosure
- #TS** Temperature Sensor assembly
- #TSC-24** Temperature Sensor Cord *
- #PFS** Pump Flow Sensor x2
- #CC-2-24** Component Cord *

***Cord lengths available in 8ft or 24ft**
*******Please Specify*******



CUSTOM BEVERAGE SERVICES

Glycol System Monitor

Configured for single pump and high liquid level switch operation

Kit Assembly # **GSM-2P-1215-LL1**



#ME-LL1



#TS



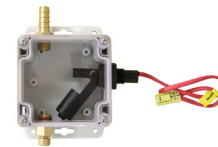
#TSC-24



#CC-2-24



#PFS



#LLS

Kit Components :

- #ME-LL1** Main Enclosure
- #TS** Temperature Sensor assembly
- #TSC-24** Temperature Sensor Cord *
- #PFS** Pump Flow Sensor
- #CC-2-24** Component Cord *
- #LLS** Liquid Level Switch

***Cord lengths available in 8ft or 24ft**
*******Please Specify*******

508.721.0875

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CUSTOM BEVERAGE SERVICES

Glycol System Monitor

Configured for dual pump and high liquid level switch operation

Kit Assembly # **GSM-2P-1215-LL2**



#ME-LL2



#TS



#TSC-24



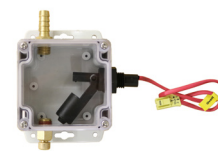
#CC-3-24



#PFS



#PFS



#LLS

Kit Components :

- #ME-LL2** Main Enclosure
- #TS** Temperature Sensor assembly
- #TSC-24** Temperature Sensor Cord *
- #PFS** Pump Flow Sensor x2
- #CC-3-24** Component Cord *
- #LLS** Liquid Level Switch

***Cord lengths available in 8ft or 24ft**
*******Please Specify*******

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Custom Beverage Services Products Warranty Policy

Custom Beverage Services warrants components for 12 months from the invoice date. Damage due to water, physical abuse, high voltage (incorrect wiring or lightening), improper installation or other factors beyond the control of Custom Beverage Services will void the components warranty.

Repair & Return

If the defective component is still under Custom Beverage Services 12 month warranty, Custom Beverage Services will repair or replace the component at no cost to you. You will need to return the defective part to Custom Beverage Services, if a returned part is deemed damaged due to misuse or misapplication (water, physical abuse, high voltage etc.) you will have the option of having the part returned to you at your cost. If the defective or damaged component is no longer covered under Custom Beverage Services warranty, Custom Beverage Services will ask you for a form of payment (PO number, Credit Card, etc.) to cover the repair and shipping charges. You will be charged for the time, materials and shipping costs necessary to repair or replace the part. The returned part will have a (90) day repair warranty. Custom Beverage Services will not at any time be responsible for product installation cost.

WARRANTY

The warranty extended by Custom Beverage Services, as printed below, is a limited warranty to provide parts and factory labor necessary to remedy any material defects which appear during the first twelve months from date of invoice of a Custom Beverage Services product. This warranty is subject to proper system installation and maintenance, as specified by Custom Beverage Services, and does not cover willful or accidental damage. Custom Beverage Services (Seller) warrants to the buyer of this Custom Beverage Services product (Buyer), that all tangible articles manufactured by Seller will be free of material defects in workmanship and material. Seller's sole obligation under this warranty shall be to provide, without charge, parts and factory labor necessary to remedy material defects, if any, which appear during the first twelve months from the date of invoice of such articles right to require Seller to repair or replace components, and any claim must be made to Seller in writing within twelve months after such invoice date. This warranty is the sole and exclusive warranty given with respect to any articles delivered by Seller **AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, ORAL OR WRITTEN, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SELLER IS NOT RESPONSIBLE FOR LOSS OF PROFITS, ECONOMIC LOSS OR OTHER INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** This warranty is subject to installation and maintenance of the articles in accordance with the specifications and directions supplied by Seller. To obtain warranty service the articles must be shipped or delivered to Seller. All postage, insurance and shipping charges including import duties and taxes are the responsibility of the Buyer. Seller makes no warranty whatsoever with respect to articles which are not manufactured by it; however, Seller will assign or make available to Buyer any warranty which has been extended or assigned to Seller by the manufacturer and/or vendor of such articles and which Seller has the right to so assign or otherwise make available to Buyer. Acceptance of articles covered hereby by Buyer from the carrier on shipment thereof shall constitute a waiver of all claims based on delay in delivery; and every claim on account of breakage, short count, or any defect ascertainable upon receipt by Buyer shall be waived by Buyer, unless made in writing within fifteen (15) days after the receipt of the articles to which the claim relates. Buyer's exclusive remedy and Seller's entire liability in contract, tort, or otherwise for breach of this warranty is Buyer's.