

# GSM MONITOR MODULE



MODELS: 128 / 064 / 032  
010 "BABY" NOT SHOWN

- RECEIVE SMS NOTIFICATIONS FROM GSM MONITOR MODULE (GMM) FOR:
  - INPUT CONTACTS CHANGE OF STATE
  - INPUT CONTACTS OPEN/ CLOSE
  - ANALOGUE OR TEMPERATURE VALUE CHANGES
    - IN/ OUT OF A SPECIFIED RANGE/ VALUE
  - CHANGE OF STATE OF INPUT POWER
  - PLUS OTHER TRIGGERS/ NOTIFICATIONS
- CONTROL GSM MONITOR MODULE VIA SMS
  - TO OPEN/ CLOSE CONTACTS
  - TO QUERY BACK-UP POWER VOLTAGE
    - GENERAL STATUS
    - ANALOGUE VALUES OR I/O STATE
  - MAKE DECISIONS DEPENDING ON WHICH NUMBER THE SMS CAME FROM
- USE LOGICAL EXPRESSIONS TO ACTIVATE AN ALERT
  - IF-THEN BEHAVIOUR STATEMENTS
  - TIMED/ SCHEDULED OPERATIONS
  - USE VARIABLES THAT CAN BE INCREMENTED
- FULLY AUTOMATED MESSAGING SYSTEM
- MANY OTHER CONTROLS AND FEATURES
- COMPATIBLE WITH FUSION AND COMMTECHMESSENGER

## SEE MODEL FEATURE MATRIX

### GSM MONITOR MODULE [GMM]

The GMM's are a range of devices that enable you to manage inputs and outputs at a remote site using the GSM SMS infrastructure.

#### HIGHLY CONFIGURABLE – MULTI-FEATURED

They are state-of-the-art, highly configurable and versatile SMS controllers. Each type contains a quad-band integrated GSM cellular engine that allows it to connect to any cellular network to send and receive SMS messages. The GMM can be used to monitor inputs, measure analogue voltages, and remotely control outputs [see MODEL FEATURE MATRIX]. The GMM's except for the "Baby" are configured using a software program that provides an easy wizard interface.

#### MANAGED POWER SUPPLY

GMM has a 12V DC power supply that can automatically switch to external Battery Power when power is interrupted. It can operate reliably from voltages in the range of 10 to 24V DC. With battery back up, SMS notifications can be sent when Power interruptions are detected.

#### EASY TO USE CLIENT

The GMM provides a USB port that connects to a PC using the supplied USB cable. This allows you to use the Configuration Software to configure the unit. Basic Configuration possible also via SMS. The "Baby" GMM is only programmed by SMS.

#### OPTICALLY-ISOLATED DIGITAL INPUTS

The GMM provides 2 signal inputs. The number of inputs can be expanded by the addition of Expansion modules, up to a maximum of 32 inputs.

#### 10A RELAY OUTPUTS

The GMM provides 2 10Amp Relay Outputs. The number of outputs can be expanded by the addition of Expansion modules, up to a maximum of 32 outputs.

#### ANALOGUE & TEMPERATURE INPUT

The GMM provides one 0-10 Volt Analogue Input - 8Bit Res. Also a single Temperature Input allows for temperatures to be measured from 0 C in 1 C intervals,

### SOME PRACTICAL EXAMPLES

#### BUSINESS OR HOME ALARM CONTROL

Arm and disarm alarm via an SMS and get status SMS's when Alarm Status changes or just to check if you remembered to arm the alarm.

#### GET ALARM TRIGGER ALERTS DIRECTLY

Before your Security Company calls you will already have received an SMS from your GMM alerting you of an alarm trigger.

#### GATE / DOOR LOCK / ACCESS CONTROL

Open and close electric gates remotely via SMS. Query GMM and it will SMS you whether gate is open or closed

#### MANAGE STAFF ACCESS

Remotely manage staff / security company access to premises remotely without giving keys / remotes.

#### TURN DEVICES ON / OFF

Turn lights / geyser other devices on / off remotely via SMS or build rules / schedules within the GMM to do so.

#### HOME AUTOMATION

With the ability to control / monitor devices within your premises via SMS or via a wide range of rules - you can develop your home into the home of the future now at a fraction of the cost of systems currently on the market.

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# GSM Monitor Module [GMM]

## Feature Matrix



Model	Onboard Inputs	Onboard Outputs	Expandable Inputs/Outputs	Max Number of Statements	Max number of Phone Numbers	Max number of Messages	Max Length of Messages	Setup Memory	0-100deg Temp probes supported	0-10v Analog Inputs	Battery / Power Monitor	Configuration Via USB	DTMF Decoder	SIM Card Slots
GMM010	1	1	NO	N/A	16	1	16	N/A	NO	NO	YES	NO	NO	Single
GMM032	2	2	12/12	32	250	64	128	2kb	2	1	YES	YES	NO	Single
GMM064	2	2	22/22	64	512	128	128	4kb	2	1	YES	YES	YES	Single
GMM128	2	2	32/32	128	512	128	128	8kb	2	1	YES	YES	YES	Dual

### Matrix Feature Descriptions

<b>Model</b>	The code used to define between the various units functionality and capabilities
<b>Onboard Inputs</b>	The number of inputs provided on the base unit itself
<b>Onboard Outputs</b>	The number of outputs provided on the base unit itself
<b>Expandable Inputs/Outputs</b>	The maximum total number of Inputs/Outputs that can be expanded to by fitting expansion units
<b>Max Number of Statements</b>	A measure of the amount of complexity that can be programmed into the unit. Each statement is of the form IF <ABC happens> THEN <do something>, such as IF Input 1 goes Active, THEN send "Generator Tripped" to "0831231234"
<b>Max Number of Phone Numbers</b>	The maximum total number of phone numbers that can be programmed into the unit
<b>Max Number of Messages</b>	The maximum total number of messages that can be programmed into the unit
<b>Max Number of Statements</b>	The maximum total number of behaviour statements that can be programmed into the unit
<b>Setup Memory</b>	The amount of memory that is available for setup. - This is a measure of how much information the setup can contain. Each 1kb of memory can store up to 146 Telephone numbers, or 56 Messages(16 characters each)
<b>0-100deg Temp Probes supported</b>	The number of temperature probes the base unit can accept
<b>0-10v Analog Inputs</b>	The number of analog Inputs available
<b>Battery / Power Monitor</b>	The ability to detect power failures and monitor a connected battery.
<b>Configuration Via USB</b>	The unit is configured via software from a PC.
<b>DTMF Decoder</b>	if YES, the unit is able to recognize (and respond to) key presses on a remote phone during a voice call.
<b>SIM Card Slots</b>	If Single, the unit has only a single SIMcard slot. If the SIMcard in that slot becomes faulty or the associated network goes down, the unit loses communication ability. If Dual, the unit can switch over to a secondary SIMcard if it detects problems on the primary SIMcard, thus greatly enhancing reliability.