



**1CH CAN EGT MODULE  
554-188C**

**IMPORTANT! Requires software and firmware version 5 build 31 or later.**

**OVERVIEW:**

The 1CH CAN EGT controller is designed for use with a K-type thermocouple using a “mini-k” connector. The accurate temperature measurement range is 32-2282F (0-1250C) with an accuracy of +/- 5 degrees F. The 1CH CAN EGT Module is designed to be plug and play with compatible Holley EFI products such as HP and Dominator EFI systems.

**SPECS:**

Voltage range	6.5-24 volts
Operating Temperature range	-40–221F (-40-105C)
Update rate	33hz

**LED:**

The EGT module has a Green LED that indicates basic functionality of the unit.

LED Status	Description
Solid ON	Device operation normal
Flashing	No Thermocouple connected or thermocouple failed

**MOUNTING:**

**NOTE:** Before mounting, it is recommended to record the CAN ID/Serial number from the sticker on the bottom side of the unit for use during software setup.

The EGT module is designed to be installed with a zip-tie or a pair of #6 or #8 screws.

**WIRING:**

The supplied harness comes with two CAN connectors (one male, one female) that plug into Holley Main harnesses or the 558-412 kit (Dominator only). The CAN connector also acts as the power and ground for the unit meaning no additional wiring is required.

## SOFTWARE SETUP:

If you do not have the I/O ICF in your tune, go to Toolbox → add individual icf → IO to add the ICF to your tune.

In your tune, go to the I/O ICF, enable one input, and change the TYPE to CAN. Label the channel with a unique name such as “CAN EGT”.

The screenshot shows the 'INPUTS/OUTPUTS' configuration window. On the left, there are three tabs: 'Inputs', 'Outputs', and 'Inputs/Outputs'. The main area is titled 'INPUTS' and contains a table with 20 rows. The first row is highlighted, showing the configuration for input #1.

#	NAME	TYPE	ECU PIN	ENABLE	Configure	Where Used
#1	CAN EGT	CAN	NOT DEFINED	<input checked="" type="checkbox"/> Enable	Configure	Where Used
#2		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#3		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#4		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#5		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#6		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#7		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#8		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#9		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#10		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#11		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#12		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#13		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#14		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#15		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#16		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#17		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#18		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#19		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used
#20		GROUND	NOT DEFINED	<input type="checkbox"/> Enable	Configure	Where Used

Next select the configure button for the Input and set it up as follows:

- 1) Select CAN device “EGT 1 Ch”.

The screenshot shows the 'CAN EGT SETTINGS' configuration window. On the left, there are three tabs: 'Inputs', 'Outputs', and 'Inputs/Outputs'. The main area is titled 'CAN EGT SETTINGS' and contains various configuration options. A central gauge is labeled 'CAN EGT' and shows a reading of 0 G. A dropdown menu is open, showing a list of CAN devices, with 'EGT 1 Ch' selected.

**Settings:**

- Type: Accelerometer
- Units: G
- Format: 1.2
- Sensor Min: -5.0 G
- Display Min: -5.0 G
- Caution Min: -3.0 G
- Normal Min: -2.0 G
- Offset: 0.00 G
- Enable PC/LCD Caution Output
- Enable PC/LCD Warning Output
- Warning Enabled Timing Offset: 0

**CAN Device:** EGT 1 Ch

**CAN Channel:** Channel #0

**CAN Bus:** CAN BUS 1

**CAN Serial:** 0

**Sensor Max:** 5.0 G

**Display Max:** 5.0 G

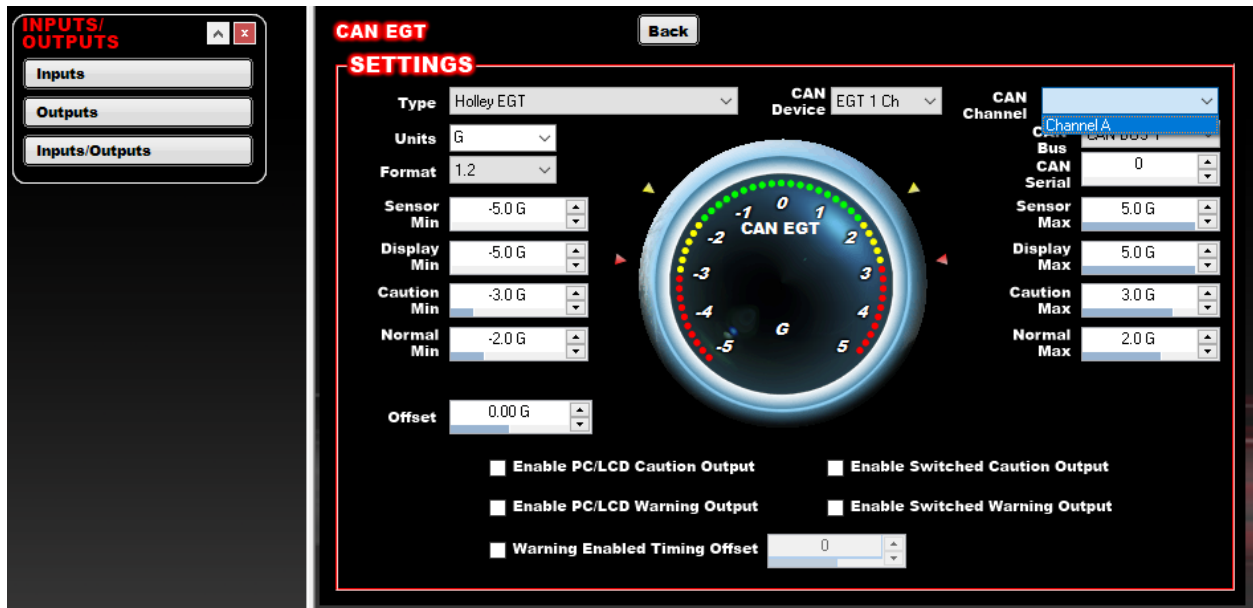
**Caution Max:** 3.0 G

**Normal Max:** 2.0 G

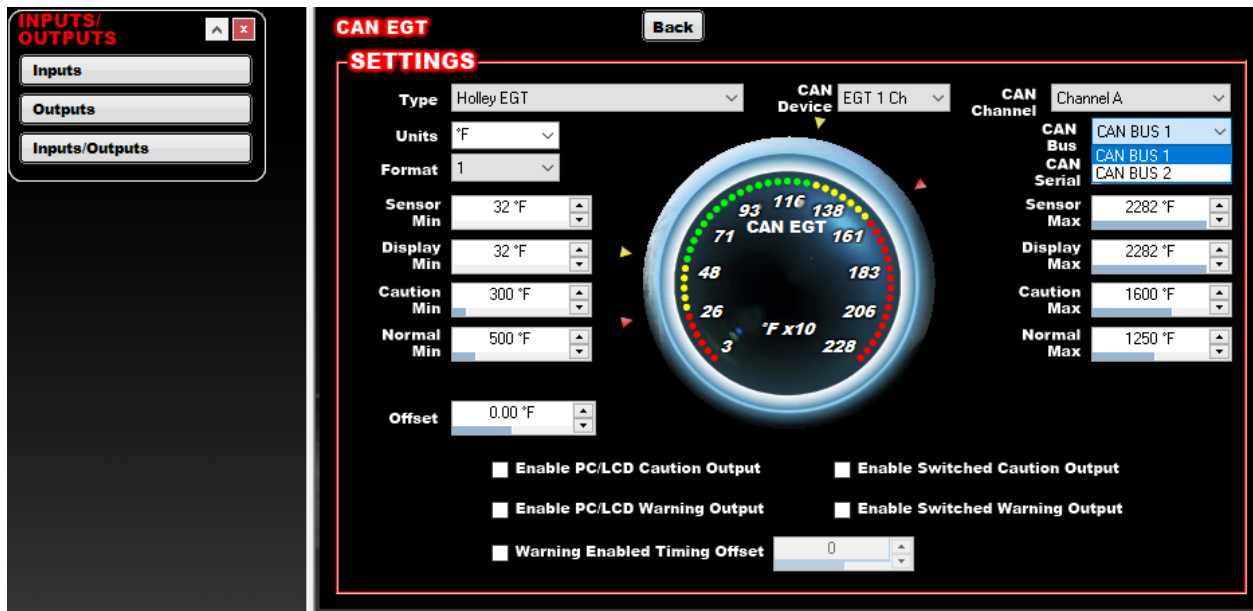
**atched Caution Output:** [ ]

**atched Warning Output:** [ ]

2) Select CAN channel A in the CAN Channel dropdown.



3) Select the Proper CAN Bus Channel. "CAN BUS 1" is the connector on the main harness. "CAN BUS 2" is on the J3 connector available only on Dominators.



- 4) Select the "CAN Serial" that matches your controller. This is a unique number and will be different on each controller. It can be found on the bottom sticker of the controller.

**INPUTS/OUTPUTS**

Inputs

Outputs

Inputs/Outputs

**CAN EGT SETTINGS**

Back

Type: Holley EGT

Units: °F

Format: 1

Sensor Min: 32 °F

Display Min: 32 °F

Caution Min: 300 °F

Normal Min: 500 °F

Offset: 0.00 °F

CAN Device: EGT 1 Ch

CAN Channel: Channel A

CAN Bus: CAN BUS 1

CAN Serial: 1234

Sensor Max: 2282 °F

Display Max: 2282 °F

Caution Max: 1600 °F

Normal Max: 1250 °F

93 116 138

71 CAN EGT 161

48 183

26 206

3 228

°F x10

Enable PC/LCD Caution Output

Enable Switched Caution Output

Enable PC/LCD Warning Output

Enable Switched Warning Output

Warning Enabled Timing Offset: 0