

i-TOUCH Master Control Models-Deluxe Model Kit

c/w Relay Board with current relay

*** Will be installed at Exacon in relays 1-5**

| PART # | MODEL# | DESCRIPTION |
|--------------|------------------|--|
| E53-3030CB/1 | GE-430izK/10MZCB | C/W (1) 5 RELAY BOARD W/CURRENT RELAYS |
| E53-3031CB/1 | GE-425izK/10MZCB | C/W (1) 5 RELAY BOARD W/CURRENT RELAYS |
| E53-3032CB/1 | GE-420izK/10MZCB | C/W (1) 5 RELAY BOARD W/CURRENT RELAYS |
| E53-3033CB/1 | GE-415izK/10MZCB | C/W (1) 5 RELAY BOARD W/CURRENT RELAYS |

i-TOUCH Master Control Models-Deluxe Model Kit

c/w Relay Board with current relay

*** Will be installed at Exacon in relays 1-5 and 6-10**

| PART # | MODEL# | DESCRIPTION |
|--------------|------------------|---|
| E53-3030CB/2 | GE-430izK/10MZCB | C/W (2) 5 RELAY BOARDS W/CURRENT RELAYS |
| E53-3031CB/2 | GE-425izK/10MZCB | C/W (2) 5 RELAY BOARDS W/CURRENT RELAYS |
| E53-3032CB/2 | GE-420izK/10MZCB | C/W (2) 5 RELAY BOARDS W/CURRENT RELAYS |
| E53-3033CB/2 | GE-415izK/10MZCB | C/W (2) 5 RELAY BOARDS W/CURRENT RELAYS |

GENIUS i-TOUCH 8 Room Multizone

c/w Relay Board with current relay

*** Will be installed at Exacon in relays 1-5, or 1-5 and 6-10**

| PART # | MODEL# | DESCRIPTION |
|--------------|-----------------|---|
| E53-3050CB/1 | GE-ST10iV8ZP/10 | C/W (1) 5 RELAY BOARDS W/CURRENT RELAYS |
| E53-3050CB/2 | GE-ST10iV8ZP/10 | C/W (2) 5 RELAY BOARDS W/CURRENT RELAYS |



**PLEASE CALL
 Bill Mawson, Jim Cameron or Kevin Campbell
 FOR ASSISTANCE OR IF YOU HAVE ANY
 QUESTIONS.**

GENIUS i-TOUCH SERIES 10" TOUCH SCREEN



These controllers have been built specifically for harsh livestock environments, and come equipped with our field proven modular hardware and software which is already used in existing GENIUS controllers.

Available in a multitude of models, the modular design of the GENIUS iTouch series permits easy and cost effective maintenance of your controllers, while providing the flexibility to grow and evolve according to your ever-changing needs

Remote access, monitoring, data logging and management

The GENIUS iTouch series amounts to much more than high performance controllers when teamed up with the FarmQuest online management service. Together, they make for a powerful management tool that you can access from anywhere in the world. Your controllers are connected to the FarmQuest server, which constantly uploads data and enables you to easily view, analyze and compare results with those of current or previous production batches. eForm reports selected by the producer can be sent to selected individuals, suppliers, and professionals in order to make informed decisions.



CALL FOR ASSISTANCE AND CONTROL LAYOUT



GENIUS i-TOUCH SERIES 10" TOUCH SCREEN 8 ROOM MULTIZONE FOR FARROWING AND NURSERY ROOMS

As a recognized leader in smart controllers aimed at the agricultural sector, Monitrol greatly facilitates remote livestock management for all types of animal production through the FarmQuest application.

- The world-renowned iTouch series allows for real-time access and 24/7 management of farm installations
- Cutting-edge technology facilitating the management of ambient air (ventilation, heating, humidity, static pressure, CO2, etc.), animal populations, feed levels/consumption, lighting, and more
- Your yearly historical and current data is accessible to simplify report management and communication with your stakeholders
- 100% FarmQuest compatible, this cloud-based system is essential in optimizing your production efficiency!



| PART # | MODEL # | DESCRIPTION |
|----------------|-------------------|---|
| MASTER | | |
| E53-3050 | GE-ST10iV8ZP/10 | 10" i-TOUCH, 11MGCB, 10 ON/OFF, 8 ZONES |
| MODULES | | |
| E53-3060 | GE-MOD444/S | MODULE 4 INPUTS, 4 VARIABLE, 4 ON/OFF, SWITCH |
| E53-3061 | GE-MOD448/S | MODULE 4 INPUTS, 4 VARIABLE, 8 ON/OFF, SWITCH |
| E53-3062 | GE-MOD424/S | MODULE 4 INPUTS, 2 VARIABLE, 4 ON/OFF, SWITCH |
| E53-3063 | GE-MOD428/S | MODULE 4 INPUTS, 2 VARIABLE, 8 ON/OFF, SWITCH |
| E53-3043 | X1314/R4 | RELAY BOARD WITH 4 RELAYS |
| E53-3045 | X1469/GE-MOD448/S | MAIN BOARD FOR GE-MOD |



Genius iTouch Series / 10" Touch Screen

One super zone or up to 4 zones amongst which the available inputs and outputs are divided.

The iTouch Control system will consist of one master control combined with optional slaves, modules and optional boards to provide a complete ventilation system.

Also feeders, feed augers, water meters, poultry scales, bin scales and lights can be assigned to one or more zones. The Genius iTouch control has **built in Wi-Fi** to enable access to the FarmQuest where you can **manage your operation from anywhere internet is available from your PC or Smart phone.**

Exacon has created two models, base model from which you can add optional boards to suit your application or a deluxe model with optional boards pre-installed to give you many more features and capacity. Both models can be one large zone, two zone or even up to 4 zones.

iTouch Master Control Models: Deluxe Model Kit

(mostly suited for poultry applications)

| PART # | MODEL | DESCRIPTION |
|----------|----------------|---------------------------------------|
| E53-3030 | GE-430izK/10MZ | 4 variable, 30 off/on relays, 1 probe |
| E53-3031 | GE-425izK/10MZ | 4 variable, 25 off/on relays, 1 probe |
| E53-3032 | GE-420izK/10MZ | 4 variable, 20 off/on relays, 1 probe |
| E53-3033 | GE-415izK/10MZ | 4 variable, 15 off/on relays, 1 probe |

This deluxe model includes the following input and communication boards X1199, X1201, X1205 8 pot. board, X1276, X1399 boards (8 input configurable). Also includes 12 communication ports for various options.

The deluxe model will then provide the following possible options by adding just the required hardware or items:

- 10 temperature inputs or up to 16*
- 4 duration sensors inputs (current sensor for feed) or up to 12*
- 4 pulse count input (water meter) or up to 12* • 4 humidity probes options • 4 bird scales comm. ports
- 4 bin scales communication ports
- 4 GEV2/S/LED for 120V modules c/w manual overrides for LED lights
- 4 GEV//MS or GE/MS 0-10V modules c/w manual overrides for variable stages or frequency drives
- 2 0-10v outputs for variable stage modules or frequency modules
- 1 communication port for GE-CBW batch feeding module
- X1399 board provides 8 configurable inputs that would increase the capacity for 8 additional or a combination of 8 temperature probes, duration counters (current sensors), or pulse counters (water meters)
- Additional 8 or 16 potentiometer inlets can be added by adding one or two X1205 8 pot board.

NOTE: A relay slave would likely be required

iTouch Master Control Models: Base Model

(mostly suited for swine, dairy and some types of poultry)

| PART # | MODEL | DESCRIPTION |
|-----------|----------------|---------------------------------------|
| E53-3010* | GE-430iz/10BMZ | 4 variable, 30 off/on relays, 1 probe |
| E53-2510* | GE-425iz/10BMZ | 4 variable, 25 off/on relays, 1 probe |
| E53-2010* | GE-420iz/10BMZ | 4 variable, 20 off/on relays, 1 probe |
| E53-1510* | GE-415iz/10BMZ | 4 variable, 15 off/on relays, 1 probe |

***Includes the following input and communication boards x1199 and x1205 potentiometer board.**

The base model will then provide for the following possible options by adding the required hardware or items:

- 10 temperature inputs •2 static pressure probes
- 4 duration sensor inputs •2 bin scales
- 4 pulse count (water meters) •8 potentiometer inlet/curtain actuators •2 Humidity probes

Includes 2 communication ports that each port can be used for two of the following 3 choices

- 1-2 bird scales port 1 OR 1-2 light modules port 2
- 1-2 bird scales port 1 OR 1-2 light module port 1 AND 1-2 feed tanks port 2

Note: Two different uses cannot be used on one com port

Additional potentiometer inlets can be added but requires the X1205 pot board, X1276, and X1399 board.

PLEASE CALL EXACON SALES STAFF FOR ASSISTANCE ON PRICING ITOUCH CONTROL SYSTEMS

Control can be ordered from Monitrol pre-programmed for special project with 6 weeks advanced ordering

Charges are applicable for on site set up of ITOUCH controls. Allow 2 weeks notice for set up appointments.

GENIUS iTouch Series cont.

| PART # | MODEL | DESCRIPTION |
|------------|-----------------|--|
| E53-4930 | 2004/10K | UP TO 10 PROBES BASE MODEL UP TO 16 PROBES** DELUXE MODEL |
| E53-5402 | T15-WD | SAFETY OVER-RIDE - RECOMMEND 4 PER ZONE |
| E53-4670 | RH-3 | HUMIDITY PROBE |
| E53-4677 | CRH-3/MGCB | RED WIRE HARNESS - 1 REQD PER HUMIDITY PROBE |
| E53-9055 | 750JLPRS | WATER METER C/W PULSE (3/4" CONN.) REPLACEMENT ONLY |
| E53-9058 | 750VPD-L | WATER METER C/W PULSE (3/4" CONNECTION) |
| E53-9057 | 1000JLPS | WATER METER W/PULSE COUNT (1" CONNECTION) |
| E53-9899 | CONUSB/RJ-45 | USB ADAPTER TO RJ45 - ALLOWS DIRECT CONNECTION OF INTERNET TO ITOUCH CONTROL |
| E53-4681 | GE-C02-10,000 | C02 SENSOR 0-10,000 PPM, 1 YEAR <i>CONDITIONAL</i> WARRANTY |
| E53-4682 | GE-LUX-1000 | LIGHT SENSOR 0-1000 LUX |
| E53-4683 | GE-WPS-100 | WATER PRESSURE SENSOR, 1 YEAR <i>CONDITIONAL</i> WARRRANTY |
| E53-4684 | GE-WLS-100 | WATER LEVEL SENSOR, 1 YEAR <i>CONDITIONAL</i> WARRANTY |
| E53-4685 | DOL-40R | FEED PROXIMITY SENSOR WITH RELAY, 1 YEAR <i>COND.</i> WARRANTY |
| E53-9282 | GE-4V/MS/0-10V | 4 OUTPUTS WITH 4 RELAY MODULES. OPTIMIZED ESPECIALLY FOR LED LIGHTS, VARIABLE SPEED MOTORS OR HEATERS C/W MANUAL OVER-RIDES. ONE OR TWO GE-V2/MS REQUIRES ONE COMMUNICATION PORT ON THE ITOUCH CONTROL |
| E53-9284 | GE-V2/MS/0-10V | 2 OUTPUTS WITH 2 RELAYS C/W MANUAL OVER-RIDES. SAME FEATURES AS GE-V4/S. ONE OR TWO GEV2-MS/0-10V REQUIRES ONE COMMUNICATION PORT ON THE ITOUCH CONTROL |
| E53-9775 | GE-V1 | MODULE - 1 STAGE 10 AMP BOOSTER (1 OR 2) |
| E53-9780 | GE-V2 | MODULE - 2 STAGE 10 AMP EACH BOOSTER (1 OR 2) |
| E53-9895 | GE-SP1 | STATIC PRESSURE PROBE - UP TO 2 WITH BASE MODEL REPLACEMENT ONLY-WHILE QTY LAST - UP TO 4 WITH DELUXE MODEL |
| E53-9898A | CSD-1A | CURRENT SENSOR FOR DURATION COUNTER UP TO 4 ON BASE MODEL, UP TO 6-12* ON DELUXE MODEL NOTE: REQUIRES USE OF MULTI-FUNCTION 8 INPUT X1399 INCLUDED WITH DELUXE MODEL FOR 7-12 |
| E53-9289 | GE-V2/S2/120V | VARIABLE SPEED MODULE, 2 PUTPUTS, 10 AMPS C/W MANUAL OVER-RIDES - REQUIRES 1 COM PORT |
| E53-9270DL | GE-V2/LED | LED LIGHT MODULE, 2 OUTPUTS OF 8 AMPS EACH C/W MANUAL OVER-RIDES. OPERATES MOST DIMMABLE LED LIGHTS |
| E53-9287 | GE-V4/S4/120V | VARIABLE SPEED MODULE, 4 OUTPUTS OF 12 AMPS EACH C/W MANUAL OVER-RIDES. NOTE NOT LIKELY TO OPERATE LED'S SATISFACTORY |
| E53-9897 | X1399/INTERFACE | REQUIRED FOR ITOUCH CONTROL WHEN CONNECTING TO COMPATIBLE EGG COUNTER |
| E53-4671 | GE-HUM+ | HUMIDITY SENSOR WITH HARNESS (TWO WIRE) FOR INSIDE OR OUTSIDE HUMIDITY WITH OUTSIDE TEMPERATURE FEATURE |
| E53-9902 | GE-PRESS+ | STATIC PRESSURE PROBE - UP TO 2 WITH BASE MODEL - UP TO 4 WITH DELUXE MODEL - NO CALIBRATION NEEDED |
| E53-5410 | PECO | NEMA 4X 1-SPEED THERMOSTAT |

EXPANSION RELAY AND VARIABLE SPEED SLAVE MODULE

| PART # | MODEL | DESCRIPTION |
|---|-----------|---|
| E53-9881 | GE-SL15 | 15 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES-SMALL BOX |
| E53-9882 | GE-SL20 | 20 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES-SMALL BOX |
| E53-3020 | GE-SL010Z | 10 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3021 | GE-SL015Z | 15 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3022 | GE-SL020Z | 20 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3026 | GE-SL025Z | 25 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3027 | GE-SL030Z | 30 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3028 | GE-SL040Z | 40 OFF/ON RELAY MODULE C/W OFF/ON TOGGLES |
| E53-3023 | GE-SL410Z | 10 OFF/ON, 4 VARIABLE MODULE C/W OFF/ON TOGGLES |
| E53-3024 | GE-SL415Z | 15 OFF/ON, 4 VARIABLE MODULE C/W OFF/ON TOGGLES |
| E53-3025 | GE-SL420Z | 20 OFF/ON, 4 VARIABLE MODULE C/W OFF/ON TOGGLES |
| E53-3034 | GE-SL425Z | 25 OFF/ON RELAY, 4 VARIABLE MODULE C/W OFF/ON TOGGLES |
| E53-3035 | GE-SL430Z | 30 OFF/ON RELAY, 4 VARIABLE MODULE C/W OFF/ON |
| ONE OF THE ABOVE MODULES CAN BE CONNECTED TO THE DELUXE MODEL | | |
| BASE MODEL CONTROL MUST HAVE THE OPTIONAL X1276 BOARD TO CONNECT THE ABOVE MODULES | | |
| ** IF THE ABOVE RELAY MODULES ARE PROVIDING ADDITIONAL POT INLETS TO THE EIGHT PROVIDED IN THE ITOUCH MASTER THAN ADD ONE X1205 8 POT BOARD OR TWO X1205 8 POT BOARD IF 16 INLETS ARE REQUIRED (REFER TO PAGE 4.11B) | | |

BIRD WEIGHING OPTIONS

| PART # | MODEL | DESCRIPTION |
|---|----------------|--|
| E53-9510 | OPTI-GAINKIT | LOAD CELL AND PLATFORM KIT FOR BROILERS |
| E53-9512 | OPTI-GAIN-1 | OPTIGAIN LOAD CELL MODULE WITHOUT PLATFORM (NO HDWR) |
| E53-9502 | OPTI-GAINKIT/D | OPTIGAIN TURKEY LOAD CELL AND PLATFORM |
| UP TO 4 OPTIGAIN LOAD CELL/KIT CAN BE CONNECTED TO THE DELUXE MODEL | | |
| BASE MODEL MUST HAVE THE OPTIONAL X1276 FOR BIRD WEIGHING OPTION | | |
| E53-9517 | OPTIGAINBP/KIT | PERCH SCALE FOR LAYERS |

FEED BIN SCALES

BASE MODEL CAN OPERATE UP TO TWO BIN SCALES, DELUXE MODEL CAN OPERATE UP TO 4 BIN SCALES

| PART # | MODEL | DESCRIPTION |
|------------|-------------|---|
| E53-9610SB | FBT-SB | FEED BIN TRANSMITTER - 1 PER BIN REQUIRED |
| E53-9611 | GE-LIM | LIGHTNING ISOLATOR - 1 PER BIN REQUIRED |
| E53-9615 | SB-15K/KIT | SHEAR BEAM LOAD CELL C/W SUPPORT - 1 PER LEG (6 MAX /BIN, 7.5MT MAX LOAD PER LEG) |
| E53-9608SB | FBT8-SB | FEED BIN TRANSMITTER-1 PER BIN REQ'D (FOR 8 LEG BIN) |
| E53-9618 | DSB-22K/KIT | 10MT LOAD CELL C/W SUPPORT - 1 PER LEG |
| E53-9898A | CSD-1A | CURRENT SENSOR - 1 PER BIN AUGER |
| E53-9614 | SB-15K | SHEAR BEAM LOAD CELL ONLY (6MT) |
| E53-9619 | DSB-22K | LOAD CELL ONLY 10MT |

WEATHER STATION

| PART # | MODEL | DESCRIPTION |
|----------|---------|---|
| E53-9530 | MSTAT-1 | WEATHER STATION KIT INCLUDES RAIN DETECTOR, WIND DIRECTION AND SPEED, SUPPORT AND ELECTRONIC NETWORK CARD X1403 |
| E53-9531 | RD-1 | RAIN DETECTOR ONLY |
| E53-9532 | WS-1 | WIND SPEED ONLY |
| E53-9533 | WD-1 | WIND DIRECTION ONLY |
| E53-9534 | X1403 | NETWORK BOARD FOR IT CONTROL (REQ'D FOR ALL CASES) |

NOTE: ABOVE FOR ITOUCH CONTROL ONLY FOR NATURAL CURTAIN LOGIC

OPTIONAL BOARDS

| PART # | MODEL | DESCRIPTION |
|--|-------------------------|---|
| E53-9819 | X1200/INPUT-8 | 8 INPUT BOARD/IT OPTION FOR BASE AND DELUXE MODELS PROVIDES ADDITIONAL INPUTS FOR 4 TEMP PROBES, 2 DURATION COUNTERS, 1 PULSE COUNTER (WATER METER), 1 STATIC PRESSURE INPUT |
| E53-9878 | X1201/1640ER | 0-10V 2 OUTPUT BOARD INCLUDED WITH DELUXE MODEL PROVIDES MGCB PORT FOR ADDITIONAL (UP TO TWO GE-V4/S) FOR CONTROL OF LIGHTS OR ADDITIONAL VARIABLE SPEED STAGES ALSO PROVIDES UP TO TWO 0-10V OUTPUTS FOR CHIMNEY DAMPER ACTUATORS, 0-10 HEATERS USE 0-10V GE-V2 OR GE-V4/MS FOR LIGHTS |
| E53-9822 | X1205/POT | 8 POT BOARD ONE X1205 INCLUDED WITH BASE AND DELUXE MODELS PROVIDES UP TO EIGHT POT INPUTS FOR INLET ACTUATORS TWO X1205 BOARDS CAN BE ADDED TO A RELAY SLAVE TO ADD UP TO 16 MORE INLET POTENTIOMETER INPUTS |
| E53-9879 | X1276/ COMBOARD8 | 8 COMM PORT BOARD ONE X1276 BOARD INCLUDED IN DELUXE MODEL PROVIDES FOR THE FOLLOWING USES PER COMM PORT: 1&2 BIRD SCALES, 3&4 BIRD SCALES OR 1 WEATHER STATION AND 1 BIRD SCALE, 8 ADDITIONAL PROBES USING A X1399 BOARD, RELAY MODULE, GE-V2 AND GE-V4 MODULES, 2 ADDITIONAL HUMIDITY PROBES OR 1 HUMIDITY PROBE AND BATCH LOADER, ADDITIONAL 2 BIN SCALES |
| E53-9896 | X1399/ INPUT BOARD-8 | 8 INPUT BOARD THE DELUXE MODEL INCLUDES 1 X1399 AND THE REQUIRED X1276 BOARD PROVIDES 6 MULTIFUNCTION INPUTS AND 2 MULTIFUNCTION 4-20MA FUNCTIONS. FOR EXAMPLE THESE INPUTS COULD BE USED FOR A COMBINATION OF TEMPERATURE INPUTS, PULSE COUNTS (WATER METERS) DURATION COUNTER (CSD-1A). IT IS POSSIBLE TO ADD UP TO 2 X1399 BOARDS PER ITOUCH |
| NOTE: IF YOU ADD A X1399 BOARD YOU MUST FIRST HAVE A X1276 BOARD INSTALLED IN THE MASTER CONTROL | | |

ITOUCH UPGRADE DOOR KIT **IT IS POSSIBLE TO UPGRADE GE-425LS AND GE-430LS TO ITOUCH CONTROLS WITH THE FOLLOWING DOOR KIT AND SLIM BOARD ** EXISTING TOGGLES NEED TO BE USED

| PART # | MODEL | DESCRIPTION |
|---|----------------|---|
| E53-3029 | 3412/GE-430/10 | ITOUCH DOOR KIT WITHOUT TOGGLES OR SLIM BOARD |
| E53-9826 | X1416/R | X1416 SLIM BOARD (REQUIRED) |
| NOTE: IT WILL REQUIRE NEW SET UP OF CONTROL ON SITE. INCLUDE LABOR COST FOR THIS SERVICE. | | |

BATCH FEEDING OPTIONS

| PART # | MODEL | DESCRIPTION |
|---|---------|--|
| E53-9625 | GE-CBW | 1 REQ'D FOR BATCH FEEDING WEIGHERS FOR COMM. TO ITOUCH |
| E53-9620 | DHBW400 | DOUBLE BATCH WEIGHER (APPROX. 38-1/2" X 42-1/2" X 97.5"H) INCLUDES 4 LOAD CELLS AND 1 MOTORIZED DAMPER (400KG CAPACITY) |
| NOTE: STRONGLY RECOMMENDED TO USE FOR BATCH FEEDING SYSTEMS WITH ITOUCH | | |

REPLACEMENT BOARDS

| PART # | MODEL | DESCRIPTION |
|-------------|--------------------------------|--|
| E53-9831 | X1418/VAR2 | NEW ITEM 2 VARIABLE BOARD W/CURRENT REPLAY |
| E53-9816 | X1414/AR-RELAY5 | NEW ITEM 5 RELAY BOARD W/CURRENT RELAY |
| E53-9834 | X1199/1640ER | SENSOR AND COMM BOARD |
| E53-9826 | X1416/R-CONTROL | OUTPUT SLIM BOARD |
| E53-9820KIT | X1184/1640ERKIT | 5 RELAY BOARD |
| E53-9828KIT | X1192/1640ERKIT | 5 TOGGLE SWITCH BOARD |
| E53-9821 | X1204/TRIAC | 2 VARIABLE BOARD |
| E53-3044 | X1415/VAR-4 TOGGL BRD/GE-SLAVE | 4 TOGGLE SWITCH BOARD FOR VARIABLES |
| E53-3040 | X1211/C2000A | 1 ZONE MICROPROCESSOR BOARD |
| E53-3041 | X1211/C2000AZ | MUTLI-ZONE MICROPROCESSOR BOARD |