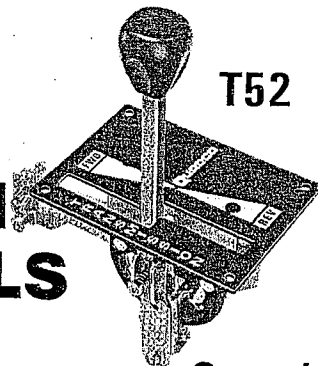


LINEAR ACTION CONTROLS



T52

Features:

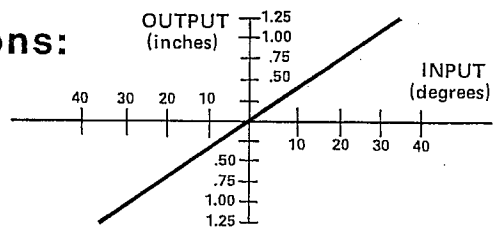
- INFINITELY POSITIONABLE
- QUADRATAT® SELF LOCKING OR FRICTION FEEDBACK RESTRAINT DEVICE
- POSITIVE NEUTRAL GATE ("Z")
- LINEAR (1:1) OUTPUT MOTION
- CASE HARDENED GATE PLATE
- INTEGRAL CABLE ANCHOR
- NEUTRAL SWITCH OPTION

Specifications:

INPUT:
 Transmission _____ ± 36°
 Throttle _____ 0 to 72°

OUTPUT:
 Transmission _____ ± 1.25 Inches (± 31.8 mm)
 Throttle _____ 0 to 2.50 inches (63.5 mm)

FEEDBACK RESTRAINT:
 QUADRATAT® _____ 0 to 100 in-lb
 Friction _____ 0 to 20 in-lb



RELATIVE LOST MOTION (HYSTERESIS):
 QUADRATAT® FRICTION
 At Output _____ ± 0.75° _____ 0
 At Input
 Light Loads _____ ± 0.5° _____ ± 0.2
 Heavy Loads _____ ± 1.5° _____ ± 0.2

FIRST, SECOND & THIRD digits

BASIC CONTROL OPTIONS (1st, 2nd, 3rd Digits)	NUMBER LEVERS	CONTROL ACTION		SELF LOCKING or FRICTION	
		NUMBER 1 LEVER	NUMBER 2 LEVER	NUMBER 1 LEVER	NUMBER 2 LEVER
T52	1	Linear	—	Locking	—
T53	1	Linear	—	Friction	—
T60	2	Linear "Z"	Linear "I"	Locking	Locking
T61	2	Linear "Z"	Linear "I"	Locking	Friction
T63	2	Linear "Z"	Linear "I"	Friction	Friction
T67	2	Linear "Z"	Linear "Z"	Locking	Locking

EXAMPLE: **T6356S002**

FOURTH digit

ALWAYS USE 3" STROKE CABLE

CABLE ROD END	1/4" - 28		5/16" - 24	
	NO	YES	NO	YES
SWITCH				
CLAMP END FITTINGS	1	5	2	6
BULKHEAD END FITTINGS	3	7	4	8

FIFTH digit

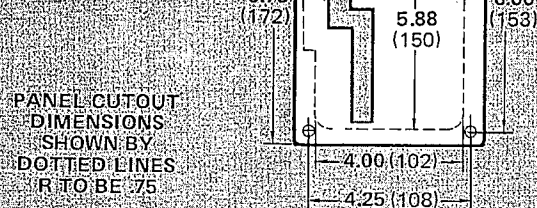
FRONT OF VEHICLE
 (Control Mounted on Right Side of Driver)

When lever is moved toward front of vehicle	1	2	3	4
	CABLE PUSHES			
When lever is moved toward front of vehicle	5	6	7	8
	CABLE PULLS			

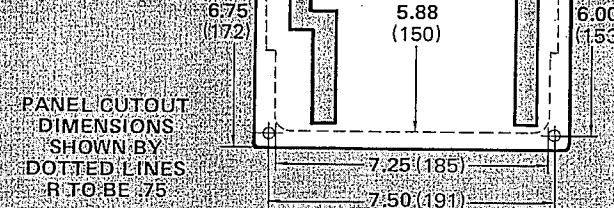
SIXTH digit

The Gate Plates are case hardened, painted with black enamel, silk screened and over coated with polyurethane.

R Size TOP MOUNTING



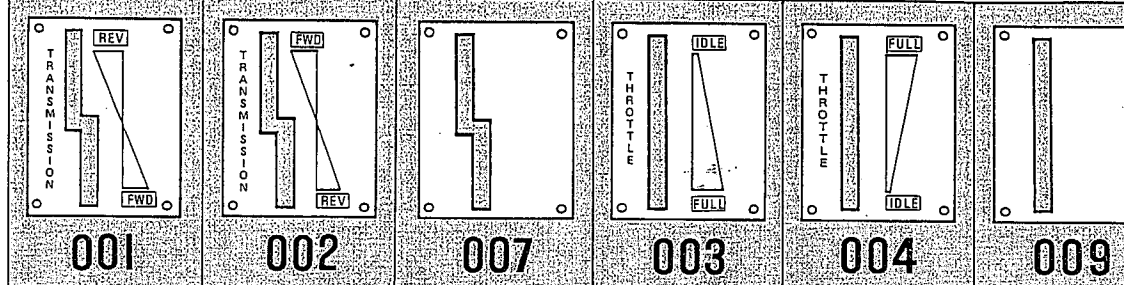
S Size TOP MOUNTING



SEVENTH, EIGHTH & NINTH digits

T52 & T53

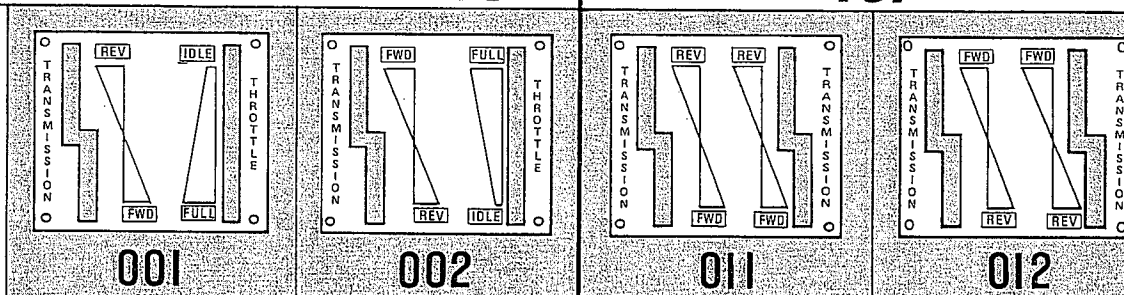
Gate plates are painted black; different lettering from decal sheet T901 may be applied to the reverse side.



T60 & T61 & T63

T67

Gate plates are painted black; different lettering from decal sheet T901 may be applied to the reverse side.



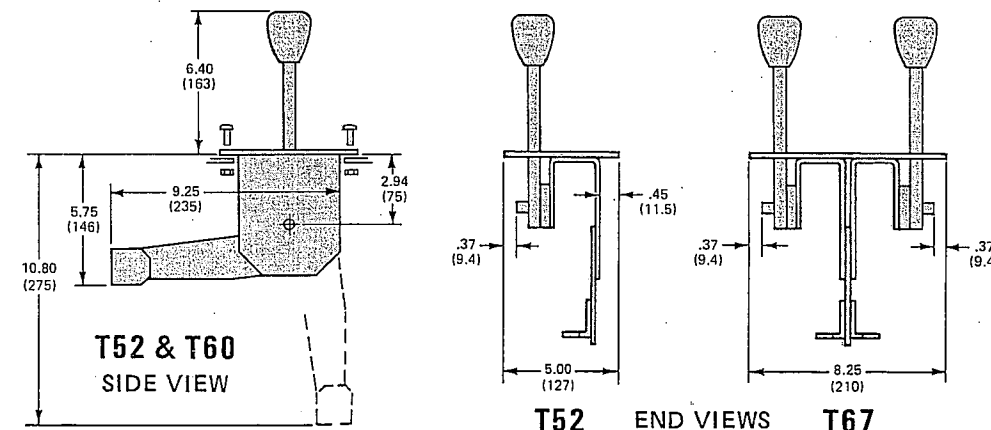
NOTE: Control without gate plate is designated by "X000" in the 6th thru 9th digits.

INSTALLATION

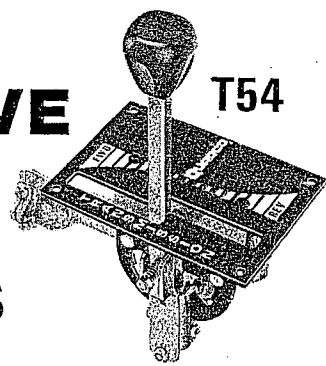
These Controls are designed for surface (TOP) mounting using the gate plate as the mounting plate.

The Control is lowered thru the cutout and secured with four 1/4"-20 black finish, stainless steel screws furnished.

See Top Dimensions under the "SIXTH digit" above.



PROGRESSIVE ACTION NON-LINEAR CONTROLS



T54

Features:

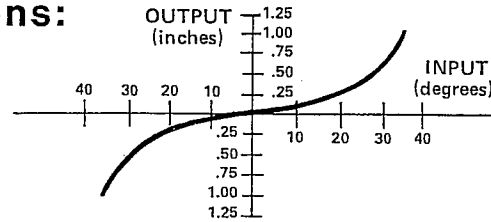
- INFINITELY POSITIONABLE
- QUADRASTAT® SELF-LOCKING OR FRICTION FEEDBACK RESTRAINT DEVICE
- POSITIVE NEUTRAL GATE ("Z")
- NON LINEAR (PROGRESSIVE) OUTPUT(S) OR NON LINEAR & LINEAR PAIR OF OUTPUTS
- CASE HARDENED GATE PLATE
- INTEGRAL CABLE ANCHOR

Specifications:

INPUT:
Transmission _____ ± 36°
Throttle _____ 0 to 72°

OUTPUT:
Transmission
Linear _____ ± 1.25 in (± 31.8 mm)
Non-Linear _____ ± 1.10 in (± 27.9 mm)
Throttle _____ 0 to 2.50 in (63.5 mm)

FEEDBACK RESTRAINT:
QUADRASTAT® _____ 0 to 100 in-lb
Friction _____ 0 to 20 in-lb



RELATIVE LOST MOTION (HYSTERESIS):
At Output _____ ± 1.00° _____ ± 0.25
At Input
Light Loads _____ ± 0.5° _____ ± 0.2
Heavy Loads _____ ± 1.5° _____ ± 0.2

FIRST, SECOND & THIRD digits

BASIC CONTROL OPTIONS (1st, 2nd, 3rd Digits)	NUMBER LEVERS	CONTROL ACTION		SELF LOCKING OR FRICTION	
		NUMBER 1 LEVER	NUMBER 2 LEVER	NUMBER 1 LEVER	NUMBER 2 LEVER
T54	1	Non-Linear "Z"	—	Locking	—
T55	1	Non-Linear "Z"	—	Friction	—
T64	2	Non-Linear "Z"	Linear "I"	Locking	Locking
T65	2	Non-Linear "Z"	Linear "I"	Locking	Friction
T66	2	Non-Linear "Z"	Non-Linear "Z"	Friction	Friction
T68	2	Non-Linear "Z"	Non-Linear "Z"	Locking	Locking

EXAMPLE: **T6538S004**

FOURTH digit

ALWAYS USE 3" STROKE CABLE

CABLE ROD END	1/4" - 28	5/16" - 24
CLAMP END FITTINGS	1	2
BULKHEAD END FITTINGS	3	4

The SWITCH OPTION is not available with the NON-LINEAR CONTROL

FIFTH digit

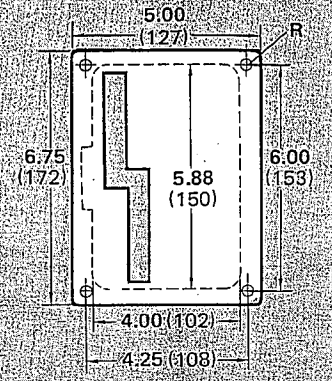
← FRONT OF VEHICLE ←
(Control Mounted on Right Side of Driver)

When lever is moved toward front of vehicle	2	4
	ACTION CABLE Non-Linear PULLS Linear PUSHES	
When lever is moved toward rear of vehicle	6	8
ACTION CABLE Non-Linear PUSHES Linear PULLS		

SIXTH digit

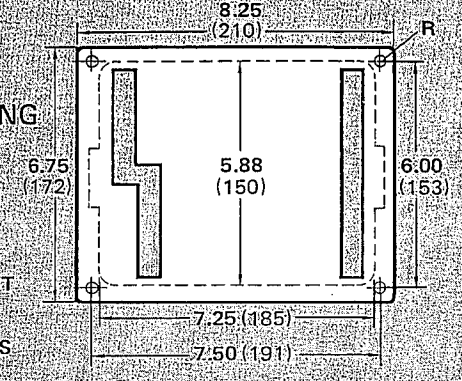
The Gate Plates are case hardened, painted with black enamel, silk screened and over coated with polyurethane.

R Size
TOP MOUNTING



PANEL CUTOUT DIMENSIONS SHOWN BY DOTTED LINES R TO BE .75

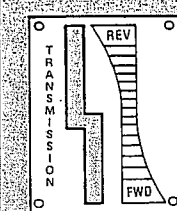
S Size
TOP MOUNTING



PANEL CUTOUT DIMENSIONS SHOWN BY DOTTED LINES R TO BE .75

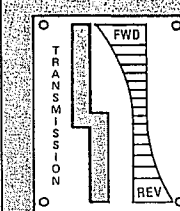
SEVENTH, EIGHTH & NINTH digits

T54 & T55



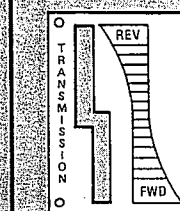
005

T64 & T65

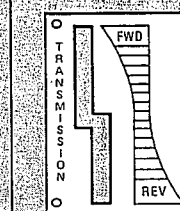


006

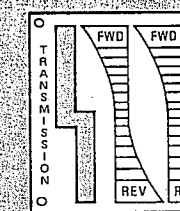
T66 & T68



003



004



014

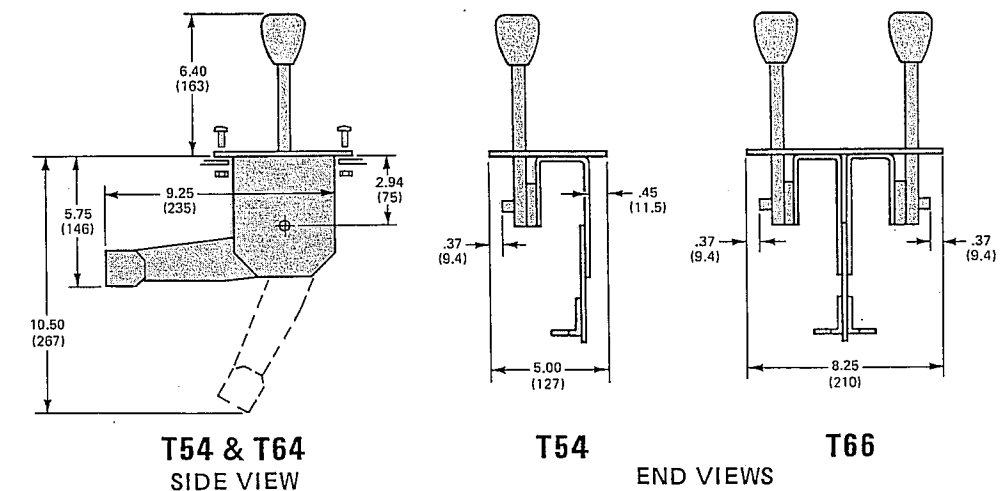
NOTE: Control without gate plate is designated by "X000" in the 6th thru 9th digits.

INSTALLATION

These Controls are designed for surface (TOP) mounting using the gate plate as the mounting plate.

The Control is lowered thru the cutout and secured with four 1/4"-20 black finish, stainless steel screws furnished.

See Top Dimensions under the "SIXTH digit" above.



T54 & T64
SIDE VIEW

T54

END VIEWS

T66