# 742/762 Control 255 and Performa Series Valves (263, 268, 268FA)

**Operation Manual** 

# TABLE OF CONTENTS

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...a., a., - . , a. . , . ,a., .
\Omega 1
  a, a
  \mathbf{a}_n \cdot \mathbf{a}_n \cdot \mathbf{a}_n
  a, a a
  Ι 、
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    00
 . , , , a , . . 00 , . . , , , . .
  ( ... - , . . . / a...) 3
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   3
   ,a, , ,a, , ,
  <u>_</u> 00 ..., ..., ..., ..., ..., ...
```

# LOGIX™ SERIES INSTALLER QUICK-START SHEET

#### **Logix Series Controllers**

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The Logix Series will operate on both the 255 and Performa valve body series.



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#### **Initial Power-up**

#### Initial Power Up - (CAMSHAFT proceeds to HOME position)

 $= \frac{1}{2} \left( \frac{1}{2}$ 

#### **Initial Start-up Step-by-step Instructions**

#### Step 1: Select Valve Type

 $\dots = \mathbf{a}_{i+1} \cdot \mathbf{a}_{i+1} \cdot \dots \cdot \mathbf{a}_{i+1} \cdot \mathbf{a}_{i+1} \cdot \dots \cdot \mathbf{a}_{i+$ 

The state of the s

NOTE: \_\_\_\_\_\_ / \_\_\_\_\_ a. \_/ a. \_\_\_\_ a. \_\_\_\_ a. \_\_\_\_ a. \_\_\_\_ a. \_\_\_\_\_ a. \_\_\_\_ .,10 **a**,, ...

#### Step 2: Program System Size

, was a a sure way to be a same , **a** . , . . , . . . . . . . . . 3.

The second of th

, , , , , **, a** 3- , , , , , , **, a**, , , . - , , , , "a. " "

. , , **, a** , , .

# Step 3: Program Time of Day

aa

#### Step 4: Set Day of Week

 $\mathbf{a} = \mathbf{a} + \mathbf{a} +$ 

o, a coma a a a como como a a como

#### Step 5: Set Regen Time

, a.-.... - a. -... - 200 , a. .

, a ...., a.a., a.a., a. a. ...

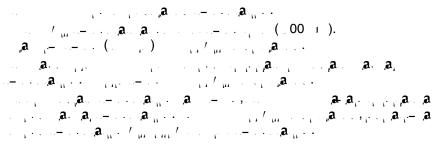
Step 6: Set Days to Regenerate (742 Time-clock Control Only)
<u>,                                    </u>
$\cdots \cdots $
3.a.
, a a a a 1/ ( ) , a
a , a "3" a
 a
, a, a, a, a, a, a,,
$\mathbf{a}_{i}$
Step 6a: Set Calendar Override (762 Demand Control Only)
AT A CONTRACTOR SERVICES OF THE CONTRACTOR OF TH
"O"
"0" ,a , a , a. ,
 (a a a a a a a a a a a a a a a a a a a
, a.— , ,
Step 7: Set Salt Amount (Regenerant Amount)
(110_/)".
, · · · · · · · · · · · · · · · · ·
<b>a</b> 33
$\mathcal{L}_{\mathcal{L}}$
Step 8: Estimated Capacity
3
/
'

#### **Step 9: Enter Hardness (762 Demand Control Only)**

For system start-up procedure, including: purging the mineral tank, refilling the regenerant tank, and drawing regenerant, see *Initial Startup Step-By-Step Instructions* on page 31.

#### **Manual Regeneration Procedures**

#### To Initiate a Manual Regeneration:



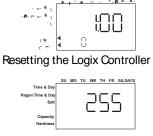
#### **During a Regeneration:**

#### **To Advance Regeneration Cycles:**

#### **Regeneration Cycles:**



#### **Resetting The Control**



Unprogrammed control after reset

- 3. **a** , , , , **a**, , , , , , **a**. " 0", , , **a**. , , , , , , **a**. , / , , . , , . . . . .



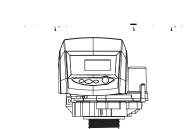
Further programming or set-up instructions can be found in this manual.

# MANUAL OVERVIEW

#### **How To Use This Manual**

 $-a_{i+1} - a_{i+1} = 00$   $-a_{i+1} - a_{i+1} = a_{i+1} - a_{i+1} = a_{i+1} - a_{i+1} = a_{i+1} - a_{i+1} = a_{i+1}$ 

 $\frac{1}{2} \left( \frac{1}{2} \left$ 



#### **Icons That Appear In This Manual**



WARNING: a, ..., , ..., / .., ... ..., ... a. ... , ..



# EQUIPMENT INSTALLATION

.....

, , **a** , , , **a** ,

a use pliers or

, \* ,**a** , , **, a**. ,

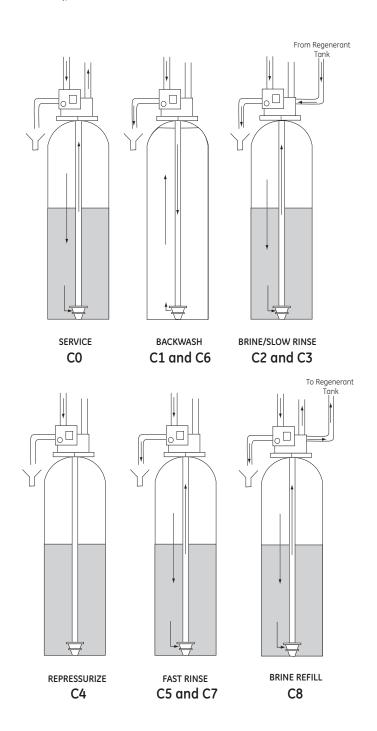
#### **General**

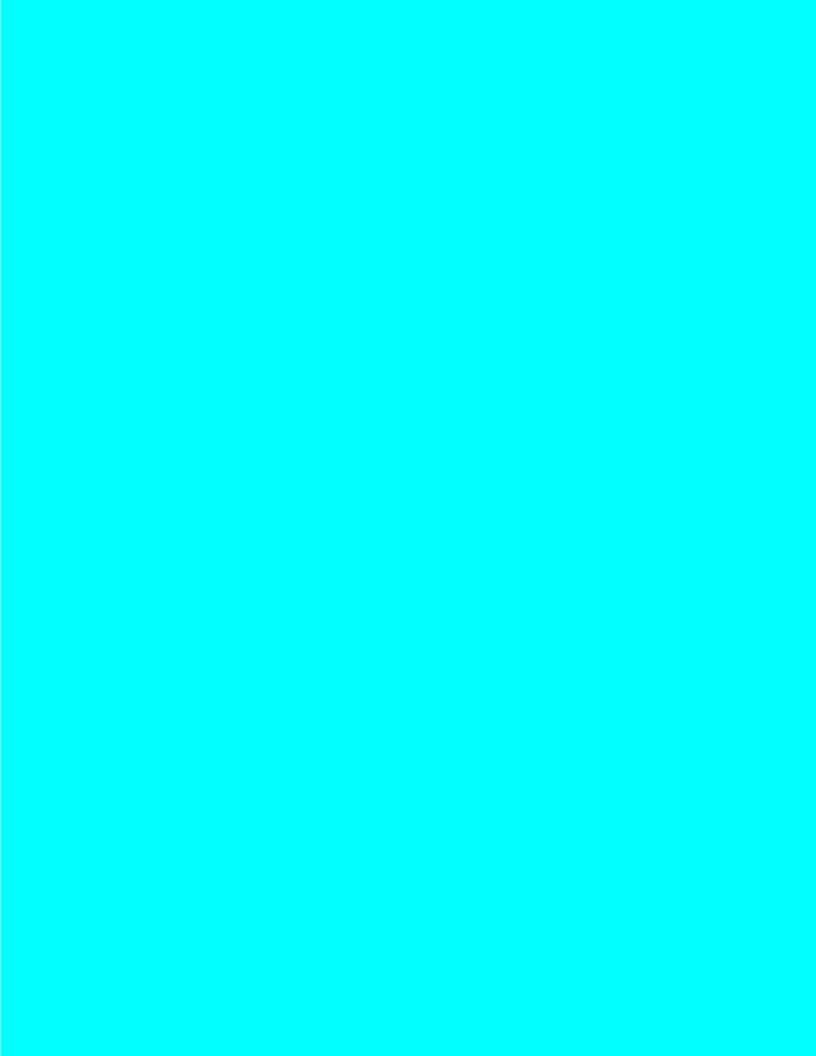
a, /a, - a, a, a, ..., a, a, ..., a, a, ..., a, a, ...,

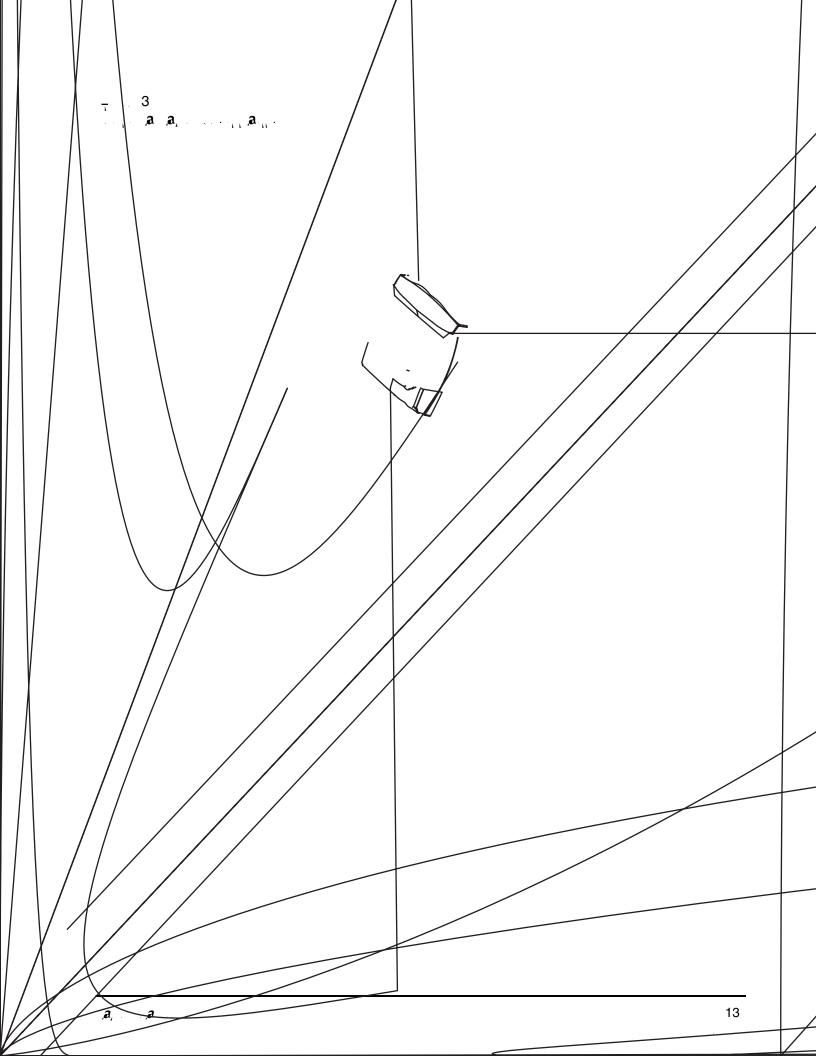
#### 5. Fast Rinse (Downflow) — Cycles C5, C7:

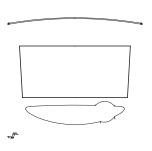
#### 6. Brine Refill — Cycle C8:

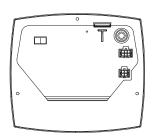
**⊤** ., 1











#### **Location Selection**

 $\mathbf{a}_{i_1}, \dots, \mathbf{a}_{i_r}, \dots, \mathbf{a}_{i_r}$ 

,.... 10° (°).

(1. **a**).

 $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$   $\mathbf{a}_{i}$ 

 $\mathbf{a}_{i_1, \dots, i_{N-1}, \dots, i_$ 

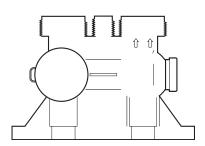
 $1 \quad \text{i.e.} \quad \mathbf{a}_{i_1} \cdot \mathbf{a}_{i_2} \cdot \mathbf{a}_{i_3} \cdot \mathbf{a}_{i_4} \cdot \mathbf{$ 

 $oxed{a}_{i}$  ,  $oxed{a}_{i}$ 

#### **Outdoor Locations**

 $(a_1, \dots, a_m)$  ,  $(a_m, \dots, a_m)$  ,  $(a_m, \dots, a_m)$  ,  $(a_m, \dots, a_m)$ 

#### **Normal Operation** In Bypass



 $\frac{\pi}{2} \left( \frac{\partial a_i}{\partial a_i} \right) = \frac{\pi}{2} \left( \frac{\partial a_i}{\partial a_i} \right$ 



WARNING: , , , / ,a...  $\mathbf{a}_{i}$   $\mathbf{a}_{i}$  $\mathbf{a}$  ...  $\mathbf{a}$ 



 $\mathbf{a}_{i}$  ,  $\mathbf{a}_{i}$  ,  $\mathbf{a}_{i}$  ,  $\mathbf{a}_{i}$  ,  $\mathbf{a}_{i}$  ,  $\mathbf{a}_{i}$ 



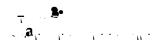
 $\mathbf{a}_1 \times \mathbf{a}_2 \times \mathbf{a}_{11} = \mathbf{a}_{11} \times \mathbf{a}_{12} \times \mathbf{a}_{13} \times \mathbf{a}_{14} \times \mathbf{a}_{14}$ **a** ..., **a** ., ..., ..., ..., a, ..., ..., ...

#### **Drain Line Connection**



 $\mathbf{a}_{1}, \dots, \mathbf{a}_{m}, \dots, \mathbf{a$  $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$   $\mathbf{A}_{i}$ 

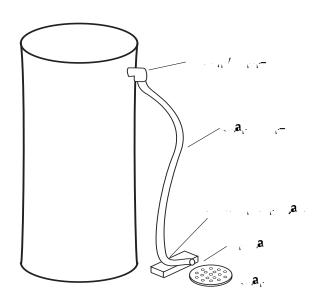
- $\mathbf{a}_{i_1, \dots, i_{m+1}, \dots, i_$ of the action and the company



# Overflow Line Connection (not used with 3-cycle filter system)

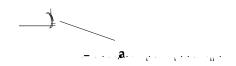
 $\mathbf{x}_{1}$  =  $\mathbf{x}_{1}$  =  $\mathbf{x}_{2}$  =  $\mathbf{x}_{1}$  =  $\mathbf{x}_{2}$  =  $\mathbf{x}_{1}$  =  $\mathbf{x}_{2}$  =  $\mathbf{x}_{3}$  =  $\mathbf{x}_{4}$  =  $\mathbf{x}_{2}$  =  $\mathbf{x}_{3}$  =  $\mathbf{x}_{4}$  =  $\mathbf{x$ 

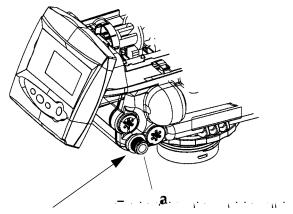
 $\overline{\mathbf{T}}$  ...  $\mathbf{T}$   $\mathbf{T}$ 



# Regenerant Line Connection (not used with 3-cycle filter system)

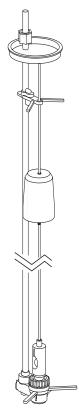
10 **a**, ...







τ ... 1 .- ... ... **a**. ... **a**. ... **a**. ... (., ..., ...)\*



### **Electrical Connection**

AC Adapter	Input Voltage	Application	Part Number
a. ,a. , / a,,- , a. a	10 0,7	a. a	100 <b>6-</b> 11
a. a	10 0,7	- ,,	13 🦫
a., .a, ,, . a.a	a.,	aa	<b>.a</b>

# 100 VAC, 120 VAC and 230 VAC AC Adapters:

, . . . . . . . . . .

#### **Controller Location**

 $a_{ij} = a_{ij} a_{ij$ , · · · , ... · ·

# **Valve Camshaft**

96 (4)

a

a. ( = 13).

13 

, 3, a. . . . . . .



### SYSTEM DISINFECTION

#### **Disinfection Of Water Conditioners**

or or or the speciment of the second of the

#### **Sodium or Calcium Hypochlorite**

#### **Application**

 $Z_{i_1,i_2}$ ,  $Z_{i_1,i_2}$ ,  $Z_{i_2,i_3}$ ,  $Z_{i_3,i_4}$ ,  $Z_{i_4,i_4}$ ,  $Z_{i$ 

#### 5.25% Sodium Hypochlorite

1. **, a** .

\* ,, , , , a ., a , . . ,, , , , a. .

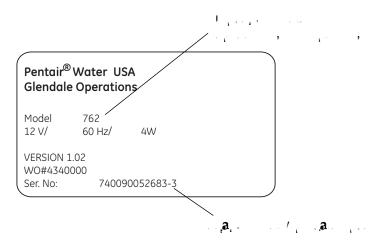
#### **Calcium Hypochlorite**

- 1. 🗼 🚑 🖯
  - . / , = , a, . (a . . , , a . , 0.1 , . . 3 ) . . . .

# DETERMINING IF YOU HAVE A 742 OR 762 CONTROL

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<u>,</u> .. 1



# **GENERAL 700 SERIES INSTRUCTIONS**

# **Display Icons 700 Controller**

<sub>τ</sub> ... 1

- . #3

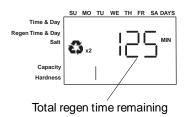
- 1.  $a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m}} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1}} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} a_{i_1} \cdots a_{i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m-1} \cdots i_{m$

- 1.  $f = \mathbf{a} + \mathbf{a} +$
- **3.**  $x_1, \dots, x_n \in \mathcal{F}_{m}$  **a**  $x_1, \dots, x_n \in \mathcal{F}_{m}$  **a**  $x_1, \dots, x_n \in \mathcal{F}_{m}$  **a**  $x_1, \dots, x_n \in \mathcal{F}_{m}$
- 0.  $\frac{1}{2}$ ,  $\frac{3}{2}$ ,  $\frac{3}{2$
- 1. a ..., ., ., a ... / ... ... ... ... , / .a . , . , . , a ... , ..., a ... , ..., a ... , ..., / .a ... , ..., / .

- 🦫. a a propaga i propaga i na a pro-

# **Regeneration Modes**

#### To Initiate a Manual Regeneration:



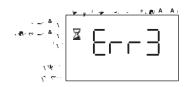
#### **During a Regeneration:**

### **To Advance Regeneration Cycles:**

#### **Regeneration Cycles:**

# 742/762 Series Initial Power-Up

#### Initial Power Up – (Camshaft proceeds to HOME position)

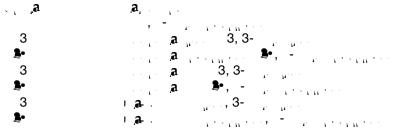


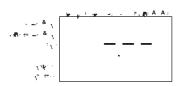
NOTE:

# **Initial Start-up Step-By-Step Instructions**

#### **Step 1: Select Valve Type**

 $\mathbf{a}_{i}$ 





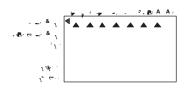
#### Step 2: Program System Size







#### **Set 3: Program Time of Day**



#### Step 4: Set Day of Week

After steps 1-4, the controller will operate most systems. Proceed to step 5 if further adjustments to your system's programming is needed.



#### Step 5: Set Regen Time

#### Step 6: Set Days to Regenerate (742 Time-Clock Control Only)

a a a a (..., a ..., a

 $\mathbf{a}_{i}$ 

**Table 1- High Efficiency Exchange Capacity** 

Salt lbs/cu ft	Exchange Capacity grains/cu ft	Salt grams/ liter	Exchange Capacity grams/liter
3	1 100	0	33.
	<b>3</b> •30	0	0.0
	11 0	0	
	3 0	<b>≗•</b> 0	<b>≗•</b> .
	0	0	18•
3.	1	100	-
	<b>3</b> 3	110	
10	3001	1 0	0.
11	31 🐠	130	
1	3 3 0	1 0	₽•
13	333 3	1 0	₽•
1	3 3 0	1 0	0.
1	3 0	00	
1	3 0	30	.3
1	3 <b>≗•</b> 0	0	<b>≗•</b> .
<b>2</b> •	3 33	0	<b>8•</b> .1

Table 2

To Convert Capacity in	Into Capacity in	Multiply by
μ <sub>1</sub> - , <b>a</b> (- )	μ <sub>1</sub> - μ <b>a</b> <sub>1</sub> . (- μ)	1 . 3
μ <sub>1</sub> - μ <b>a</b> <sub>1</sub> · (- μ)	"- " <b>a</b> (– )	0.0 🌯
, <b>, , a</b> 3	μ <sub>1</sub> <b>a</b> . (- )	0.10
, <b>a</b> , , <b>a</b>	",– " <b>a</b> (– )	0.0



 $a_{1} = a_{2} = a_{3} = a_{4} = a_{5} = a_{5$ 

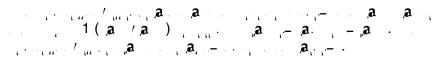
#### Filter backwash time (filter mode only)

#### **Step 8: Estimated Capacity**

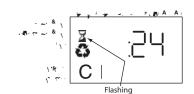
# PLACING CONDITIONER INTO OPERATION (turning on the water)

#### Conditioner and FA Filter Start-Up





- $\mathbf{a}_{1}$   $\mathbf{a}_{2}$   $\mathbf{a}_{3}$   $\mathbf{a}_{4}$   $\mathbf{a}_{4}$   $\mathbf{a}_{5}$   $\mathbf{a}_{5}$



<u>^</u>

- $\frac{1}{2} \frac{1}{2} \frac{1}$

# PROGRAMMING THE 700 FOR 5-CYCLE FILTER APPLICATIONS

#### **Manganese Greensand Systems**

#### Sizing FA Filters

#### **Backwash Controller**

#### Injector

#### **Refill Controller**

#### **Initial Resin Volume Setting**

#### "Salt" Setting for KMNO<sub>3</sub> Regenerant

#### Days Between Regeneration Setting (742 FA)

.-...a, a-a. -...a. a a a a a 10,000 ... a, a a a a ... a a a a ... 10,000.

#### **Volume/Demand Regeneration Setting**

, ... **a** ... **a**... ... , ... , **a**. , ... ...

1. a a ... "10" = , ..a. = 10,000. ... "10" = , ... a a ... " "0" = .

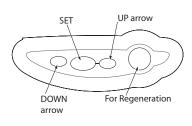
3.  $a_{11} = a_{11} + a_{12} = a_{13} = a_{14} = a_{14}$ 

#### **Things You Might Need to Know**

 $\mathbf{a}_{i_1}, \dots, \mathbf{a}_{i_1}, \dots, \mathbf{a}_{i_n}, \dots, \mathbf{a}$ 

 $\frac{1}{\sqrt{1+2}} \frac{1}{\sqrt{1+2}} \frac{1$ 

## 742/762 SERIES ADVANCED PROGRAMMING



Action	Key	Duration	Display
a , ,a ,-		., <b>a</b>	ш , / ., . , <b>а</b> , <b>а</b> , /
1 , , , , , , , , , , , , , , , , , , ,	<b>a</b> /	. a .	,, , , , , , , , , , , , , , , , , , ,
<b>. a</b>		. a .	. , , , <b>a</b> / <sub>m</sub> , <b>a</b>
<b>.a.</b>	<b>a</b> /	. a.	,a, , ,a- , ,a. , ,, , ,a
<b>.a</b>		. a.	.,., <b>a</b> .,. , <b>a</b> ,–
, <b>a</b>		. a .	, a,a., . . , . ,a
. /	<b>a</b> . ,	* 1.15 1.75	• / <sub>μ</sub> <b>.a</b>
, , a	- a.	7 (B) (C)	1/ <sub>m</sub> <b>, ,a</b>

#### 742/762 Level II Professional Programming

- / - ,  $\mathbf{a}_{i}$  . . .  $\mathbf{a}_{i}$  $\mathbf{a}_{1}, \mathbf{a}_{2}, \mathbf{a}_{3}, \mathbf{a}_{4}, \mathbf{a}_{5}, \mathbf{a}_{1}, \mathbf{a}_{1}, \mathbf{a}_{2}, \mathbf{a}_{3}, \mathbf{a}_{4}, \mathbf{a}_{5}, \mathbf{a}$  $\mathbf{a}_{i}$   $\mathbf{a}_{i}$ 1 , , , , **,a** , a , / . . ( , , , ) ( **a**, - ) a.a., **≗** • a.... - · · · a · · 10 11 ..., .... **a**. 13  $\cdots$ 0 ., ., . - . . . . **a**., . (,...,) . , , **a, a** . . **, a** . . , . . . . . . . . . . . 

 $\mathbf{a}_{i}$ 

#### **Accessing History Values**

#### **History Values**

	Description	Range	Notes
<b>v</b> 0	. <sub>(1)</sub> <b>a</b> , , — <b>a</b> ,	r contracting	. 1. 1.1
<b>v</b> 1	, <b>a</b> , , <b>a a</b> ,	0.	
4		Secrets of the desired	1.1
<b>v</b> 3	$\mathbf{a}_{11} = (1 + 1)^{-1} \cdot \mathbf{a}_{11} \cdot \mathbf$	0 . 131,0 0 <b></b> 0 . 1,310 . 0 <sup>3</sup>	V * 4
1	<b>a</b> , <b>a</b> , <b>a</b> , <b>a</b> , <b>a</b> , <b>a</b>	0. 131,0 0- a <sub></sub> 0. 1,310. 0 <sup>3</sup>	١٠,
1	, <b>a</b> , / <b>a</b> 100	0, , 00- <b>a</b> <sub>11</sub> , , , 0, ,	١٠,
4	, a, / a	, 10 = <b>a</b> , , 10 <sup>3</sup>	1.1
1	<b> </b>	0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
<b>1 3</b> •	$a_{i,j} = a_{i,j} + a_{i,j} + a_{i,j} + a_{i,j} = a_{i,j}$	0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
4	. <b>a a</b>	0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
<b>1</b> 0 <b>1</b> 0		0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
<b>v</b> 11	. , <b>a</b> . , <b>a</b> . , , <b>a</b> . , . , , 3	0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
<b>v</b> 1		0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	١٠,
<b>1</b> 13	$a_{11} = a_{11} + a_{12} + a_{13} + a_{14} = a_{14} + a_{14} + a_{14} = a_{14} + a_{14} + a_{14} = a$	0. 131,0 0- <b>a</b> <sub>11</sub> 0. 1,310. 0 <sup>3</sup>	1.1
<b>v</b> 1	<b></b>	0 -        a,	1.1
<b>v</b> 1	. , <b>a</b> . , / . , <b>a</b>	0 - 00_ , 1,000	1.1
<b>v</b> 1	<b>, a a.</b> , ., , <b>a</b> , , / <b>a</b> .	, , , <b>a</b> , , <b>a</b> , , <b>a</b> , , <b>a</b> , , , , , , , , , , , , , , , , , , ,	١٠,
<b>v</b> 1	Lyer years year	0 - , 🌬	
٠,	, <b></b>	0 - , 3	

#### **Resetting the Control**

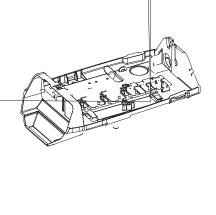
- 1. .. a.. , a.. ,
- 3. **a** , , , **a**, , , . . . . **x** 0, , , **a** . . , . . . -
- and the second of the second o



All further advance programming or set-up instructions can be found in the Dealer Installation and Service Manual, P/N 1255652.

## PARTS AND ACCESSORIES

255 Valve Exploded View



#### **255 Valve Parts List**

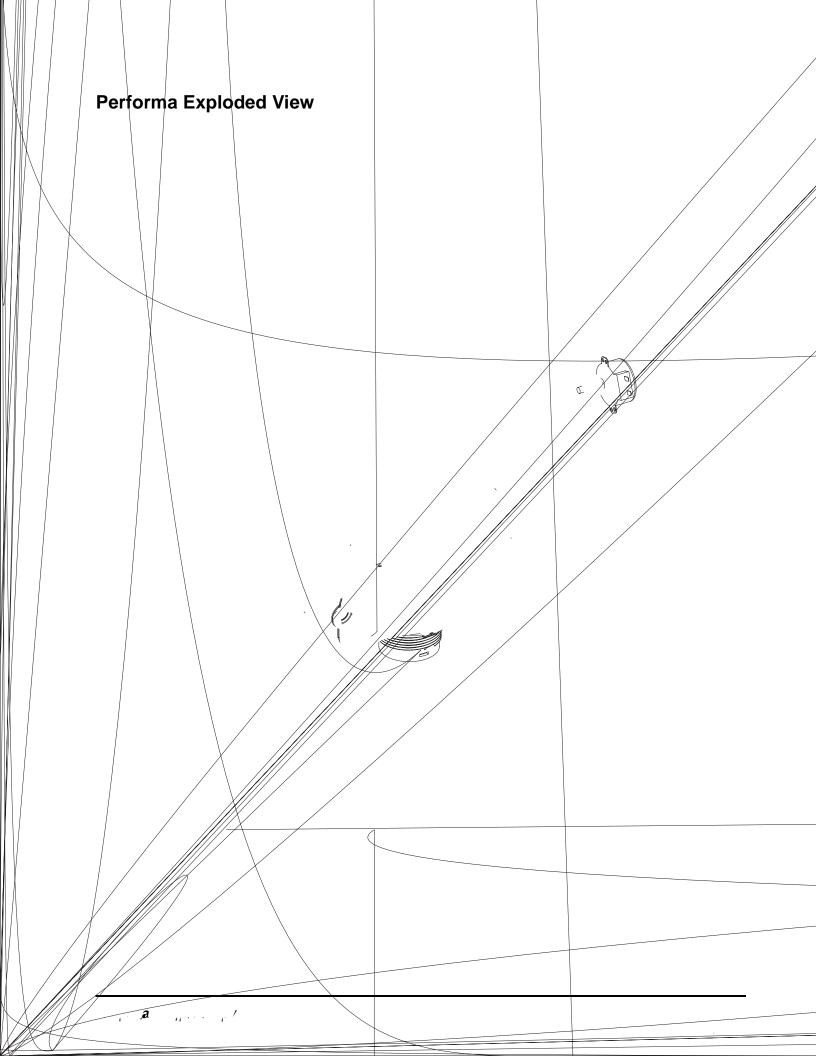
	Part				Part		
Code	No.	Description	Qty.	Code	No.	Description	Qty
1	1 0	<b>a</b> , , , / / , , / , ,	1	1	1000		1
	1033 🦫	<b>a.</b>	1	1		· a	1
3	1010		1		1000 0	. (1.3-	
	1010 🗣	- ,			1000 10	, 🦫 (1. = / )	
	1 3 3 0	, a, a, a, a, a, a, oo, oo, oo, oo, oo,	1		1000 11	, . ( . = , . <b>\$</b> .3 , . )	
		1 * * 1 m *			1000 1	. 10 ( . – 10. )	
	1 3 3 1	, , <b></b>	1		100 130	. 1 (3. – 1 . )	
	1 3 *	,, <b>a</b> , ., /, a, 00. 0	1		1000 1	. 13 ( 1 )	
		· · · · · · · · · · · · · · · · · · ·			1000 1	. 1 ( .3- 0 )	
<b>3</b> •	1001 0	<b>,a ,a</b>	1	2.	1000	aa, a <sub>n</sub> , a <sub>n</sub> , 0.33_a,	. 1
	10 0		1	2.	1 3 10	<b>a</b> <sub>m</sub>	
10	1001	13/1 (	1	1		r r r	1
*	1000 0	a, - a.a.	1		103 1	3 <b>8∙</b> - a,	
*	1 3 0	00/ 00	1		103 1	1/ <del>-</del> <b>a</b> ,	
11			1	0	1 3 3 3		1
• • •	1031 0	, ,– a.			1030 0		1
	1031 03	-, a- a- , ,- a-		*	10330	<b>a</b> ., , / ,	1
		a- a- , ,- a				A company of the same	1
	1031 0	. a a a a		*	1 3		,
	1031 0	a,a. a- a- , ,-/a			1 33\$•	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
	1031 0	a a a - a			1 33	$\mathbf{a}_{i_1\cdots i_r}$ , $\mathbf{a}_{i_1\cdots i_r}$ , $\mathbf{a}_{i_1\cdots i_r}$ , $\mathbf{a}_{i_1\cdots i_r}$	
	1031 0	.a., a a. , a.			1 11	··· ( · · · · · · · · · · · · · · · · ·	
	100 0 3	, ,— , <b>a</b> / - , <b>\$</b> /1 ,.		*	1 3 11	, <sub>,</sub> , . , , , <b>0.1</b> , <b>a</b>	
1		<b>a a</b>	1	*	1 3	المهر ويدار ليبير ويرايي	
	1 3 3 3	a. /00. 0, a, ., .,		*	1 3 3	. ۾ 0.1 ۾ ني جي د	
		,a		*	1 3	لیام ویتی ایده سی وی نی د.	
	1 3 1	<u>a</u> / 00 ♣ 0					
		<b>a</b> . ( )					
13	1 3 3 1	1 , . , . / , <b>a</b> , <b>a</b> , ,	1				
1	1000	/ <b>a</b> . , // - ,-	1				
1		· · · · · · · · · · · · · · · · · · ·	1				
	103 30	- / · · · · · · · · · · · · · · · · · ·					
		(-, a.)					
	103 31	_ /					
		( - a. )					
	103 3	_ /					
		<b>₽</b> a.)					
	103 33	<b>1</b>					
		( a.)					
	103 3						
	<del>-</del>	(10 <b>a</b> . )					
	103 3						
	.00 0	(1					
	103 3						
	103 3	)a					
		(13 - 1 -, , <b>a</b> . )					

\* , . . , / .

## 255 Valve Parts List (Continued)

	Part				Part			
Code	No.	Description	Qty.	Code	No.		Description	Qty.
*		K 1 - 1					, <b>a</b>	
		, , , , , (, , , , , <b>a</b> , , / <b>a</b> , , ).		*	1001 0	3/	, <b></b>	1
1	0 0	3/ , , , <b>a</b> 3 <b>%</b> , , , <b>a</b> , .		*	1001 0	1-,.	, <b></b>	1
1	0 0 🦫	1-, , <u>a</u> 1/-, , a,		*	1001 🚱	-	, <b></b>	1
1	0 0 🦫 1	3/ - , <b>a</b> 3 <b>%</b>		*	1001 13	3/		1
		a.		*	1001 1	1	<b></b>	1
1	0 0 🦫	1 , , a 1/ , a.		*	1001 1	-		1
1	0 0	3/ , , a 1/ a.		*	1001	3/		1
1	0 0 🗣 0	1 , <u>a , 1/ , a</u> .		*	1001 03	1-,.		1
1	0 0 🦫 3	3/ , <u>a</u> 1/		*	1001 0	3/	,a , , , , a , , ,	1
		, <b>a</b> .		*	1001 0	1-,.	,a , , , , a ,	1
1	0 0\$	1 , ,a , 1/		*	1001 11	3/ -,.	a , a ,	1
* 1	0 033	a_a	1	*	1001 10	1-,.	. <b>a</b> , <b>a</b> ,	1
*		1 <b>,a</b>		*	1001 1	1	<b>a a</b>	1
1	03 3 0	<b> </b>	1			•		
1	03 3 1	1	1					
*		a a						
1	0 0	a , , , , , , , , , , , , , , , , , , ,	1					
1	0 0	a a,a,.	1					
		- 11						

\* , . , / .



### **Performa Parts List**

	Part				Part		
Code	No.	Description	Qty.	Code	No.	Description	Qty.
1 1	1 1	<b>a</b> , , / /,	1		103 3	_ / · · · · · · · · · · · · · · · · · ·	
1	1 3 3 <b>3•</b> *	, a., 🦫/ 00 a, .	1			(1 -, , <b>a</b> . )	
3 1	1 3 33 *	<b>a</b> ,	1		103 3	_ /	
1	1 3 *	,, a, ., /, a 00 • 0	1		103 🐓	3 <sub>µ</sub>	
					103 🦫	<b>. a</b>	
		, a _ , a a.	1	10	1000	.= <b>a</b>	1
1		a, 3- 1. 00. 0 a, ,		10	1 3 10	. <b>– </b>	
		,a		11		<b>a</b> .,	
1	1 3 0 *	<b>a</b> , / 00 <b>♣</b> 0 <b>a</b> , . , . ,		*	103033	, <sub>,,,,,,</sub> / _ , , , . 3 <b>,a</b> , .	
				1	100	(3/ - , a )	1
1	1 3 03*	, a , 3/00 € 0, a, ., ., a		13	1010 🦫		1
		<b>a</b> , 3/00 0 a ,		1	1000		1
		( )		1	103	a. ,-	1
1	1 3 0 *	a, 1. 00 0 a, .,		*	10 11	a, , . , a a	
		., / .		1	, ,-	<b>.a</b>	1
1	1 3 0 *	a, */ 00* 0 a, ., a.				3/ <del>-</del>	
		( )				1-, <b>a</b>	
		a.	1			- , <b></b>	
1		. (1.3-				3/	
1	1000 10	. <b>♣•</b> (1. = 1 )				1- <sub>1</sub>	

## **Logix 700 Series Controllers Parts List**

## **TROUBLESHOOTING**

## 700 Series Controller Troubleshooting

Problem	Possible Cause	Solution
1, ,, ,, ,, ,, , , , , , , , , , , , ,		
, . , . <b>, .</b>	0,,,, a 0, 0, 7.	a.,a.,a.,,,,,,,
3, ., ., <b>,a</b>		a; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
	a a	a , , , , , , , , , , , , , , , , , , ,
	A A CONTRACTOR OF THE CONTRACT	a a a a a a a a a a a a a a a a a a a
, <b>.a</b>	, / <b>a</b> , ,	

### **System Troubleshooting**

Problem	Possible Cause	Solution
1a.	<b>a</b>	<ul> <li>a</li></ul>
· ,, / ,— ,,, · ,, · ,, · / ,a. · ,a. · ,a. · , · · , · · · , · ,a. · · · · , · , · ,a. · · ·	<b>a. a.</b>	<b>. </b>
3. v a . / a	a,a.,a.,a. a.,,a,a	aaa.,. a a a ,a, a/a a. a.a(,aa)
	,- a,,	,a , ( ,aa,) , a , ,a . a, aa . a a , . ( ,aa,)
• (••(, / <sub>11</sub> , • (• (• (• (• (• (• (• (• (• (• (• (• (		<b>a.</b> 1 <b>a.</b> 1 1 1 <b>a.</b> 1
	a	a., a., a., a., a., (, a., a., a., a., a., a., a., a., a., a.
	• • • • • • • • • • • • • • • • • • •	•
	A. A.A	,a , ( ,aa ,)
· ( · · · ( · · · ) a · · · a · · · · · · · · · · ·	<b>.a.</b>	<b>.a.</b>
. <b>.a.</b> . / <sub></sub>	a. [//a	a

<b>a</b> ,— , , . , <b>a</b> — <b>a</b>	<b>a.</b> , <del>,</del> . <b>.a</b> , . <b>.a</b>	a
	<b>a.</b> [11 <b>a</b>	a a.a.a. 0a. a
a/ .		· · · · · · · · · · · · · · · · · · ·
10	a	,a ,
7. <b>–</b> 7 <b></b>		· , a. ,
	<b>a</b> , .	· · · · · · · · · · · · · · · · · · ·
11. a /a	<b>.a.</b>	aa/,
, , <del>,</del> , <b>a</b> ,, ,	· , · · · <b>a</b> · · · · · <b>a</b> · · · · · · · · · · · · · · · · · · ·	
1 / a / . /	aa. a,a	<b>.a.</b> ,, <b>.a.</b> , <b>.a.</b> ,,,, <b>.a.</b>
/ <b>a</b> / . –	· 1 · · · · · · · · · · · · · · · · · ·	· Marketine for the transfer to
	· · · · · · · · · · · · · · · · · · ·	a. , /, ,a. /a
13.	, <b>a</b> , <del>-</del> , <b>a</b> . <sub>11</sub>	aaa.,, a.,a,a. ,a, a, a,
/ <b>,a</b> /	<sub>(</sub>	<b>.</b>
	, <b>.</b>	•
	. a a a a	
		a. , /, ,a. /a , ,. ,. ,. ,. ,. ,. ,. ,. ,. ,. ,. ,
1= <b>aa</b>	a= a a, 1	a. I.a. a., , a.,
		. , , , , , , , , , , , , , , , , , , ,
		. <b>a.</b> ,
		· · · · · · · · · · · · · · · · · · ·
	or some or some	