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 U H O L D E L O L W \\  
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6 K R U W & L U F X L W : L W K V W D Q G 7 L P H 9*( 9 & 9 9&(00 9	7 V F	V
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2SHUDWLQJ -XQFWLRQ 7HP SHUDWXUH			7 f &
6WRUDJH 7HP SHUDWXUH	7v		f &
6ROGHULQJ 7HP SHUDWXUH LQ IURP FDVH IRU V	ZDYH V	ROGHULQJ	PP f &

(OHFWULFDO & KDUDFWLULWDO DVVRWKHIDZL\*%H7 VSHFLILH

3DUDPHWHU	HU	6\PERO	&RQGLWLRQV	0LQ	7\
6WDWLF					
&ROOHFWRU (PLWWHU %UHDNGRZQ 9ROWDJH		9 & \$			9
*DWH 7KUHVKRQG & RQGLWLRQV		9 & P \$			9
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=HUR *DWH 9ROWDJH &ROOHFWRU &XUUHQW		9 & \$ f & f &			P \$
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3DUDPHWHU	HU	6\PERO	&RQGLWLRQV	0LQ	7\
'\QDPLF					
,QSXW &DSDFLWDQFH		9 & \$ 9 * 9 9			Q)
5HYHUVH 7UDQVIHU &DSDFLWDQFH &UHV		1 0+]			
*DWH &KDUJH	*	9 & \$ 9 * 4 9			X &
6KRUW &LUFXLW & RQOHFWRU &XUUHQW		9 & \$ 9 FF 907 M f &			\$

(OHFWULFDO & KDUDFWWHULVWLFVRRWKKIDZLRGHVSHFLILH

3DUDPHWHU	6\PERO	&RQGLWLRQV	QLQ
6WDWLF			
'LRGH )RUZDUG)9ROXW DJH &	) 7M \$ f & 7M f &		9

6ZLWFKLQJ & KDUDFWWHULVWLF , QGXFWLYH /RDG

3DUDPHWHU	6\PERO	&RQGLWLRQV	QLQ
'\QDPLF M DW 7			
7XUQ RQ 'HOD\ 7LPH	9&& 9 & , \$ 9*( 9a 9 5J		QV
5LVH 7LPH		W	QV
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(OHFWULFDO & KDUDFWHULVWLFV RI WKH ',2' (

3DUDPHWHU	6\PERO	&RQGLWLRQV	OLQ
'\QDPLFDW 7			
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7KHUPDO 5HVLVWDQFH

3DUDPHWHU	6\PERO	OD[	9DOXH	8QLW
, * % 7 7KHUPDO 5HVLVWDQFH - XQFWLRQ & DVH . :				
'LRGH 7KHUPDO 5HVLVWDQFH 5XQFWLRQ & DVH				. :
7KHUPDO 5HVLVWDQFH - XQFWLRQ \$ PELHQW				. :

oçpDoÅoÈ

oçpDoÄoÈoÃ

19V  
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 15V  
 13V  
 11V  
 9V

19V  
 17V  
 15V  
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z Circuit Diagram

Z 3DFNDJH 2XWOLQH ,QIRUPDWLRQ

